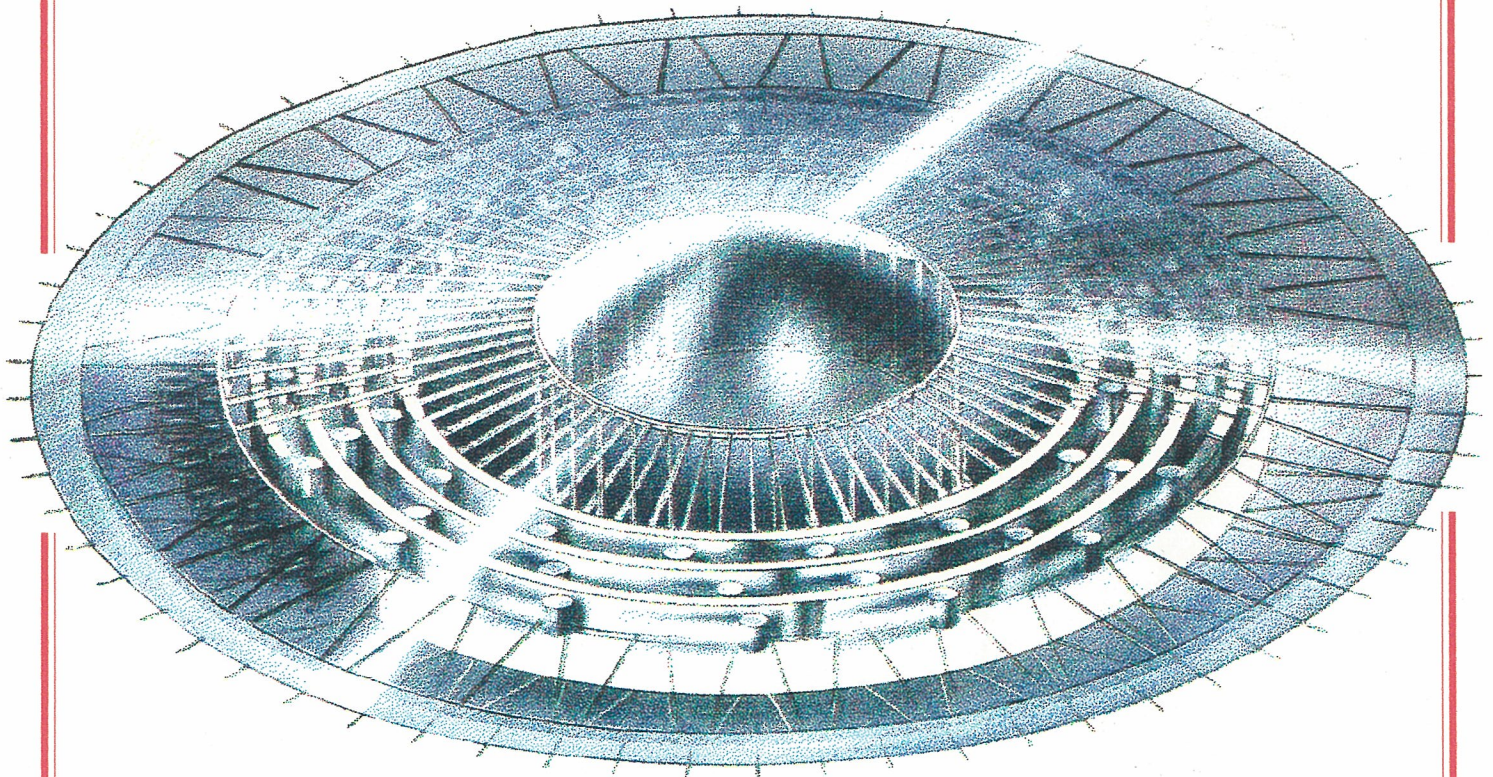


THE LAW OF THE SQUARES

TRUTH TABLE

THE SECRET OF THE SEARL TECHNOLOGY

By Prof. J.R.R. Searl, M. Inst. Pi.



TOMORROW'S TRANSPORT SYSTEM

Book 1A

The Law of the Squares

By Prof. John R. R. Searl

Book 1A

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Prof. John Roy Robert Searl.



Prof. John R. R. Searl
Author, Inventor, President, D.I.S.C.

Prof. Searl is the inventor of the Searl Effect Generator, S.E.G., which is its own prime mover and generator of electricity. He has written a series of books entitled "The Law of the Squares."

Prof. Searl looks at things differently from most people in that he equates everything to "The Law of the Squares." He is only interested in the Truth in all things. He has written his books to dispel all the mis-information and lies that have been written about him and his work. He is setting the record straight. These books tell of his life experiences as well as the technology that he has developed. After reading these books you may look at things differently.

He is currently the President and Consultant Engineer of the Direct International Science Consortium (D.I.S.C.)

Prof. Searl is truly trying to bring us into a better future through this method of thinking and the technology that it has produced.



John A. Thomas Jr.
Vice President, D.I.S.C.

Mr. Thomas has a technical background in electricity and process control. He has studied such varied topics as UFO's and Ancient Technology that has been lost or forgotten.

He has carried on the efforts of Mr. William Sherwood, formerly Professor Searl's contact and help mate in the National Space Research Consortium (NSRC).

He first contacted Professor Searl in 1990 and since that time has printed and distributed his books on "The Law of the Squares."

John has been a student of Professor Searl and has come to an understanding of "the square technology" which is the basis for the Searl Effect Generator (SEG) and the Inverse-G-Vehicle (IGV).

John is presently Vice President of the Direct International Science Consortium (D.I.S.C.) and is Technical Representative for Professor Searl.

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Please note that the contents within this book is precisely correct to the best of my knowledge. The contents are related to my work, directly or indirectly. All information is vital to my future achievements. All statements are made by me unless it is stated by some other person/s.

My release of data started as newsletters and lectures from 1946, now all this information of the past, present and future, is being woven together into a book format and released. It deals with my life and those who are involved. My work, my education and knowledge and how I employ that knowledge.

My life cannot be copyrighted by anyone except myself. Therefore, I have appointed Mr. John A Thomas Jr. as my representative with premission to write articles upon my work in the effort to speed this work to the market place.

I am quite aware that people have written upon my life without my permission, who have not paid me one penny for that right. I have shut my eyes to that offense, and will continue to do so, unless they wish to make any rows about me quoting their article and pointing out what is wrong with it...THAT IS MY RIGHT...NOT YOURS.

Any such offensive letters being received will appear in my very next release with what ever action I have taken. I mean to clean the shit up that has gone out upon me, and I will. If any one is stupid enough to write me or others, statements of claims which are unfounded, watch out, I am a tiger and I will tear you to pieces before the public. It is my RIGHT and DUTY to all those who have helped me over the years, to stand up and be counted, and that is precisely what I am doing.

I have given authority to both RAUM & ZEIT and NEXUS to write upon my work whenever they feel that the public would be interested upon such matters.

I have given authority to societies who have given me time to lecture there, in the interest to bring more people to one place, to write upon my work in the manner to which they feel would interest their readers.

Today, to my knowledge, I am the only person, who within my lectures, plead for all inventors to join together as a group to develop tomorrow's technology. This way progress would be speeded up, thus the media will stop mocking you. But if you like being mocked, then just remain an individual.

This set of books have been released upon the authority of

Prof. J. R. R. Searl

PROF. JOHN ROY ROBERT SEARL
CONSULTANT ENGINEER

DATE. 25.07.1993

ISBN 1 898827 05 2

THE SECRET OF THE SEARL TECHNOLOGY.

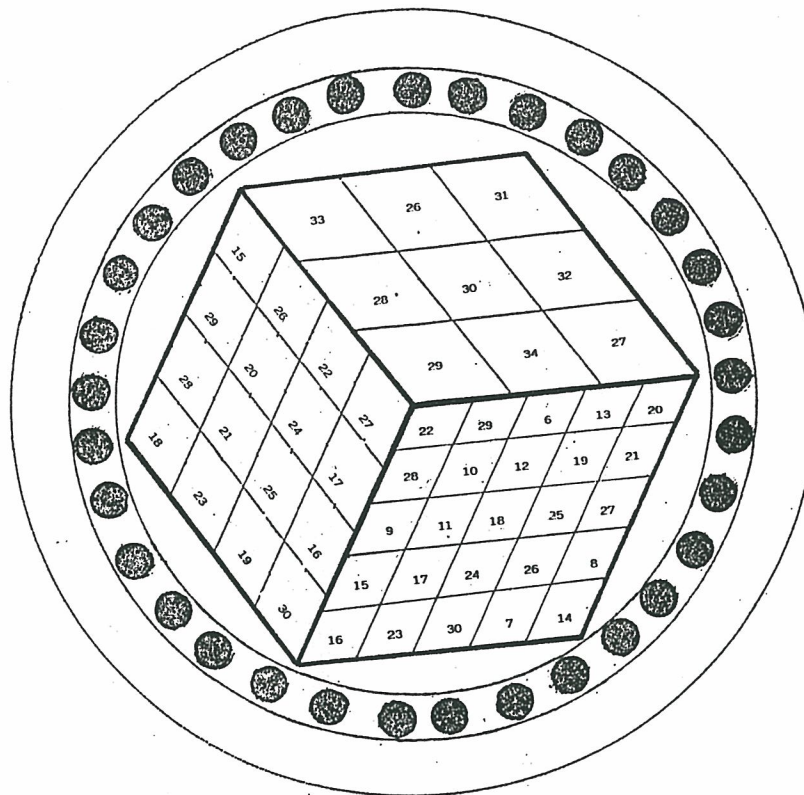
By PROF. J.R.R.SEARL. M.INST.PI.,

THE LAW OF THE SQUARES.

FACTS.

SUPPLEMENT 1A TO BOOK 1.

These books represents what Searl has to know and how he applies that knowledge to his design work, and his thinking. How he see's all things around him, what is wrong and how it should be changed. What is more important it exposes the TRUTH in all things.



'There's nothing impossible - except that the state of the mind makes it so'

'Nothing of worth may be achieved without a proportionate level of commitment'

'From a simple acorn grows the mighty oak'

The 3 sided illustration of 3 different squares on the front cover are again different to those on book 1 cover.

There are :-

SQUARE 3.	LEVEL 27.	LINE VALUE 90	SUM 270	OPTIONS 8
SQUARE 4.	LEVEL 16.	LINE VALUE 90	SUM 360	OPTIONS 10
SQUARE 5.	LEVEL 7	LINE VALUE 90	SUM 450	OPTIONS 12

FORWARD

After reading articles about my work, and listening to others talking about my work I can very well understand the views which has resulted upon myself as an individual and my work.

The purpose of these books are to clean up the rubbish floating around upon my work, and upon my name. From which I trust things will proceed faster, as the TRUTH unfolds.

Anyone can draw a shape of some kind and give it a fancy name, as his/her invention. Many have drawn flying saucers and claimed to have invented it.

Some can work out the measurements for such a device..but alas, its still all negative action. To create some item outside a purely simple non moving object calls for much knowledge across a vast field of science. Some can model the object and we are getting from the negative state to a more positive state..but this still do not go far enough, as a model can work..where a full size project simply fails.

To invent any real work project using energy for motion calls for a wealth of know how. By presenting my THINKING and how I proceed with the complicated development work, I trust it will help you in your own research and development work.

From these books I trust that you will become aware that I am not so dumb as some try to make out that I am.

No one have seen God, but millions believe in him. It shows again that there are some good talkers around who can convince millions to part with their hard earnt cash. If I can show just a few the real TRUTH about the REAL WORLD and the things which I do, and how I do them, then I have done a very good job for mankind.

It is the THINKING of the individual person that counts to success or failure. But a positive thinking for greed, helps no one except that greedy person.

Most people think negatively, therefore their actions run on a similar line.

Thinking is a vital part of my work..for instance just consider the benefits for me if all my documents and internal post being delivered immediately. Rather than languishing in the post room or on the wrong desk. I must work as efficiently and as fast as my competition. That is only one problem that lies ahead of me, to define how.

Like doing the squares, the larger the square the greater choice there are in solving the line value. But there is only one way to get the correct results that I need. First you must define the objective then take a good look at the options available for the correct choice to produce your product. There are always a choice available but only one may be the correct path. I always welcome feedback from readers upon interesting ideas, either relating to the work being discussed in these books or upon other subjects.

You may have heard about something through the media and got completely the wrong idea..it may not be your fault..it could have been the way in which the media put out the article, if they were really interested then the story is good, if not, its bad..THAT IS THE REAL PROBLEM.

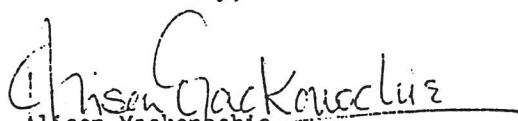
6th January 1988

Mr Luis Jarillo
Flat 12
Kings Court
Kings Road
London SW19 8QP

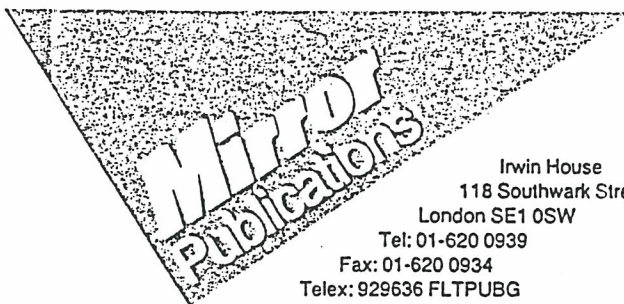
Dear Mr Jarillo,

Thank you for sending us the John Seal's proposal for a new puzzle book. Having now had time to give this consideration I am afraid that I do not feel it would fit in to our present range of publications as it is rather too specialized, I am therefore returning the manuscript and wish you success in finding a publisher.

Yours sincerely,


Alison Mackenzie
Managing Editor

enc



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Telex: 929636 FLTPUBG

THE SECRET OF SEARL'S TECHNOLOGY.

By PROF. J.R.R. SEARL. M. INST. P.I.,

THE LAW OF THE SQUARES.

SUPPLEMENT A1.

"these things which you see - the days will come in which not one stone shall be left upon another that shall not be thrown down."

"But when you hear of wars and commotions, do not be terrified; for these things must come to pass first, but the end will not come immediately."

"Nation will rise against Nation, and Kingdom against Kingdom."

"And there will be great earthquakes in various places, and famines and pestilences; and there will be fearful sights and great signs from heaven."

"And there will be signs in the Sun, in the Moon, and in the Stars; and on earth distress of nations, with perplexity, the sea and the waves roaring."

"Men's hearts failing them from fear and the expectation of those things which are coming on the earth, for the powers of the heavens will be shaken."

"Then they will see the son of man coming in a cloud with power and great glory."

"Now when these things begin to happen, look up and lift up your heads, because your redemption draws near."

You may wonder why on earth I have started a book in this manner ?

The reason is, that these are the statements which have been made by me since 1946. Which has nothing to do with the bible. These statements belong to the dreams which I had as a child.

I have, since 1968 became aware that a man you call Jesus also made these statements 2,000 years ago. That is, if Jesus did really exist would have been no problem to have made these statements. He, like me only had to collect known data and add it up for the same results. Through the history of man these statements have been made time and time again. For this event have happen many times on earth, and are about to happen again. I shall live to see it happen.

Let's look at my dream in more detail....

1st...all life known to me will vanish, unless something is done to prevent it.

2nd...the cause of this event will be due to great pressure, far above normal.

3rd...the weight will increase greatly.

This could mean very high winds, with increased atmospheric pressure. Much higher than any winds known, during these times of records. Therefore, many buildings will fall. One can see what happens when we get 80 mph wind.

Reference to wars and commotions, these things have certainly happen, these are just a pre-warning of things yet to come.

What may confuse you is the statement, of fearful sights and great signs from heaven as to their meaning. Heaven means looking upwards to the sky and beyond. What on earth can be feared in space ? Ancient man had a great fear of something in the heavens, and it was not God or UFO's he feared, so what was it ?

It is something that we all should be considering, as time is running out fast. That fear is Jupiter.

Jupiter was always looked upon by modern man as just a dead planet which had little or no effects upon our dear planet. Today, some of us begin to have different views, we are beginning to feel that ancient man had more knowledge about the planets than we do with all our advanced technology. To them Jupiter was something to fear...or was it Jupiter and some other planet together that they feared?

I have not been lucky enough to meet with an ancient man to have the chance to discuss what it was that he feared. So I can only project my thinking upon my knowledge. I would state what he feared in the heavens was the alignment of Jupiter and Saturn behind our sun. Why?

Like myself, many other scientists now believe that the sun spot cycle and Jupiter orbit cycle are related. When Jupiter passes behind the sun, the sun increases its activity and we reap the radiation from this increase activity with high radio interference.

Therefore, if just one planet does this, there is no reason to doubt that two planets would double this effect. You may state that is all rubbish...but wait, before you state that the grand alignment a few years back did nothing much in reference to damage...bear in mind that only Jupiter was the main force acting on the sun..but we are soon to see what two planets can do on May 5th 2000 when Jupiter calls again but this time with its mate Saturn. There will be five planets in a line behind our sun and we shall be in front. Then we shall witness if or if not the two big boys causes the sun to produce a larger, if not double the size sunspot. So on the 5th of May 1990, we are left with just a mere 10 years to find out what happens. It may well be for mankind the most fearful sight ever seen by him in modern times. No doubt we shall see signs in the sun that all is not well, and if the pole shift takes place, then the Moon and the sun and the stars will shift their places instant. The winds will increase and seas will rise to a far greater height and the waves will come roaring in to cover much land.

Then you will see the son man coming...I am afraid that alas there is some multi-million of pounds arriving very soon, this part will not be happening after all. It now cost millions to build inverse-G-vehicles, so there will be none ready to save man. From time to time people call upon me to tell me that God is shortly coming to save us and to clean the mess up. Man appears to have a habit of making a mess and leaving it for some one else to clean up. I ought to laugh at them, but I cannot. I can only feel sad for them, but far more saddened for their children or grand children who will never have the opportunity to experience the love of giving birth to a new child. That right was barred them by the very act of their own parents who claim that they love them. Many will be surprised that God did not come to save them in the hour of their need, they will die like all the rest, by whatever horrible method nature decides to use.

What is expecting to happen, has happened a number of times before, and will happen again in the future. This is a natural event of our solar system and has no relationship whatsoever with God punishing the evil one's, for many good ones will die the same, there will be no selection between who shall die and who shall live. If any one is living after this event, we shall find just as many evil people as we shall find good people.

Sunspots are a nasty bug in communications, yet, if two states must exist, then the other state must be good. I believe that the other effect of the sunspot is the speeding up of the earth's axis, thus preventing the earth from tumbling in space. But for something like this to have a major global effect we need a chain reaction. So we need to search for keys which could be a building block to a world wide catastrophe.

1928 a group of researches landed at what became known as LITTLE AMERICA in ANTARCTIC. This group thought that they were the first people to land there. But the history books have got it wrong, they were not the first. For many years before some one had landed there and mapped the whole of Antarctic, clearly before the last pole shift. There was no ice..it was a land in a topic condition, with topical wild life and plants. A condition quite different to what they found. They mounted 5 radio towers of 110 feet high for radio communications.

But when scientists arrived in Little America in 1957, they found that these radio towers covered by ice. From 1928 to 1957, that is only 29 years in which the ice had been laid down by 110 feet. They found that 90% of the world's fresh water is stored there. Not only that...but new ice is being laid down at a rate of 2½ million tons per day. So we are producing a bump at the pole, and that is not good for things which must spin, and the earth needs to spin to keep healthy. A spinning top will slow down due to air friction of the atmosphere, likewise the earth pulls the atmosphere around with it which generates friction, which in turn slows down the earth rotation. But the slowing down process is slow, so if every 11 years it gets speeded up, enough to prevent it falling. But a spinning top which has a bump at any point on its lower surface will tumble in less time than the one with no bump. I believe that it takes about 7-10000 years for the ice to build up at one point to create a pole shift. The ice in 1957 was over 1000 feet thick.

Yet in the 16th century a map of Antarctic was found, this map which was drawn was so old that no one knows who produced it or when it was produced. Yet whoever produced it must have gone there before the last pole shift. For the land masses matches our findings so perfect. The only answer we can give for such a change is that of a pole shift.

If you still feel that a pole shift is impossible, then let me inform you that there is on record by a Pharaoh who had a habit to watch the sun set in the east. Now you think that I have made a mistake. No I have not...the sun did set in the east. On this one evening he watched the sun set as normal..he was then surprised to see it re-appear again in the east within minutes of it setting. That states that the earth must have shifted its poles by 180 degrees. Now we know that he was standing about centre of that shift because he never suffered in any way, or more likely at the pole end that had the least movement. It appears that no further pole changes have occurred since that date. So we must be getting very close for the next change to take place.

The sea itself operates a cycle of high and low levels..which I feel relates to the pole ice cap cycle. The end of 1989 shows that the ice cap was melting faster than normal so early 1990 the U.K. coastline got higher seas than should have been. The ice is melting faster than its normal cycle..results will mean that land masses will go under the sea, and this is already happening and more will shortly take the plunge unless the ice cap increases in size pretty soon.

Why has the ice cap melted so fast ?

The satellite NIMBUS-7, on October 2, 1986 over the ANTARCTIC shows clearly the large OZONE HOLE. The problem is...will the hole make all the difference in the weather pattern following a pole shift ? Was the OZONE LAYER complete in the day when this Pharaoh watched a pole shift with no idea what had happened. If there had been a hole in the OZONE LAYER then, would that Pharaoh have witnessed more than just a change of direction of the sun ?

The hell that is arriving, if it be TRUE, has in FACT already started. It is up to man now to either prepare for it, or try to stop it, but how is the problem. I do not think that the British Government extra £5 million in the coming year on research into 'green' topics such as climate change, waste management and north sea pollution will achieve any solution to slowing or stopping the present state, or in any way save the lives of millions of people. Agree that some £37 millions will be spent by the Department of the Environment. But at the same time, another arm of the government, the Department of Education and Science, is cutting its funding of the Natural Environment Research Council (NERC), which supports similar work. Pollution research eats up about half of NERC's budget. An initial rise in the NERC budget from £115 million this year to £128 million next year includes one-off payments for projects such as a new ANTARCTIC base and provides an increase of only 2.5% for inflation. The DES cash, without one-off payments, for the two subsequent years will fall to £107 million and £102 million at 1989/90 prices.

The NERC says the coming year will also produce an expected £40 million from commissioned research - from bodies such as the DoE, the department of Energy and the Overseas Development Administration. Some of the extra DoE cash should find its way to NERC projects.

The £37 million DoE spend includes £6.6 million on global atmosphere work, £6.9 million on air pollution research into toxic waste and detoxification, and £3.4 million on work on toxic substances.

That's Great Britain's effort as known to me. What the rest of the world is doing will be discussed when I have the data available.

My question is.. HOW MUCH OF THESE MILLIONS REALLY GOING TO HELP US, SHOULD THE PREDICTED EVENT REALLY TAKES PLACE DURING THE PERIOD OF 10 to 13 YEARS TIME ?
Or at any other time in the future.

Another question HOW MUCH IS ACTUALLY BEING SPENT BY THE WORLD GOVERNMENTS ON THE POLLUTION PROBLEM ?

Just a few days ago a team of scientists set up by the British Government into the the greenhouse effect made their statement for the U.K...its will get much HOTTER than has been predicted by them....wonderfull, that is what I stated in 1946..so all seems to be going well to form..they also stated that we can expect higher winds...great..for that is what I have been saying since 1946..they also stated that some UK land will go under the sea...same as I stated in 1946...why did it take so many sceintists at such a high cost just to make these statements which I had already gave every one for nothing.

Why do I write upon this subject, instead of giving the details of the S.E.G.?

You know about all these things, you have read about it in other books and so forth.

Since 1968 I have demonstrated the S.E.G. and told all how to make it, but they know how to make it, so they claim to me...yet the REAL TRUTH is that none of them has produced one WHY ?

Very simple, they fitted what they knew to what they saw, and failed to listen to what I was saying.

As I have stated since 1946..to KNOW is to KNOW ALL. NOT TO KNOW means you know nothing. But you can KNOW A LITTLE, but to KNOW that LITTLE you need to KNOW MUCH.

The major problem is that so many people know a little and think that they know it all. So when I try to explain this work to people and they say that they know that I give up with the discussion, for I know that they do not know this thing.

A friend of mine brought over a letter plus drawing which stated that they had made Searl's S.E.G. and it fails to work..so I took one look at the drawing and never bothered to read the letter, the drawing told me everything about that letter...the device would not produced the SEARL EFFECT...because it was not the S.E.G. but some kind of contraption which was conceived within his own mind upon other peoples claims upon my work.

When some one tells me that he has invented a flying saucer or any other higher technical device..I ask myself a number of logic questions which helps me to either accept or refuse to accept that which they claim.

Those simple steps are as follows :-

What is that persons education level...(not how many A' and O's etc..but their real knowledge relating to their claims.) I want to be able to read their line of knowledge, the way they think for this is very important.

Next..I need to see evidence of their connections with industry, how much data they have, from which such ^{any} invention would need to ^{be} construct^{ed}. So that I know that if THE building blocks are workable there's a chance that such an invention could work. I do not want to see any models, as models often work, while the full size project will fail. They are so many accounts on record of such products.

If I am quite satisfied with these two states, then I will study the building blocks

as individual products,if they perform these functions correctly,then I will look at the interfaces which are needed to link these blocks together as one project. Even you,are just a set of building blocks,each block just performs some function as an individual function,then these various blocks are linked by interfaces to combined their individual functions into a united function. Many of you think,or better still,know that you are something special,you are not an animal,that God made you and all things that exist.

THE TRUTH IS THAT WE ARE AN ANIMAL..that is,we are an organised being having life, sensation and voluntary motion - typically distinguished from a plant, which is organised and has life, but apparently not sensation or voluntary motion.

In nature plants belong to group one squares while animals belong to group three squares.

Now if our inventor meets all of these checks, then they may well have a worth while invention. But they are many inventors making claims today. They are many making claims that I am only wind and no do, nothing to show. There is quite a simple reasons as to why no S.E.G.'s are on show,they cost millions to make one, I do not have even one million, as you want the S.E.G. then you pay the cost to do it. Yet it would only take £1 sterling from each person to make everything possible in the SEARL TECHNOLOGY...so little for so much..yet you sooner throw away more than £10 per day down the drain then pay £1 to see that your children have at least a chance to see old age. THAT IS THE REAL TRUTH OF THE MATTER.

Yes,you can say that is only an emotional out break...Just an excuse for your lack to denote just £1 towards research and development. WHY..are you afraid that Searl might produce such technology...results would make you look stupid to your friends, is that nearer the TRUTH. Well,I have great news for you,I have just sent a letter to be inserted in a property journal requesting land to commence the largest project every undertaken by me..STARSHIP EZEKIEL PHASE TWO...the picture of this massive project is enclosed on the next page. Yes, you may think that it is nothing important..that is just where you are wrong. For this project will generate more publicity throughout the world then I have ever had from the Demo.1. project...and that was a massive publicity project. For this project will save life,do things that no other building structure can do and at the same time test out all structure and systems for the final STARSHIP EZEKIEL MK.V. project,which is PHASE 3 project. Phase 2 will be manned.

To raise funds for this project Searl is accepting loans of £1,000 or more,from people throughout the world for a period of 5 to 10 years without interest. thus at the end of that time Searl returns that money to that person. What happens,is this. Searl stakes what fund is available upon this project will be completed fully,if he fails to do this he forfeits this stake,if he succeeds then he pays nothing and returns the loans. thus the loans are just a stake,higher the stake the more chance of raising the needed cash for materials to do the work. But donations are also welcome for they can start buying the materials for the work,thus improving my stake with actual investment.

So these books are to show you what I know...how building blocks perform functions, and how I link them to create the final function needed.

These books are an ENCYCLOPEDIA OF TRUTH. A subject which frightens most people,for they like LIES,which are far more exciting then the TRUTH. The TRUTH can offend many people. As soon as we are born we are force to live a LIE,we grow up upon LIES,we are educated upon LIES. For me,it is easy to understand why people do not like to hear the TRUTH. That is the simple answer as to why they will never be able to make the SEARL TECHNOLOGY..its their thinking that is wrong. Through these books you will see SEARL'S THINKING..and how he accepts life,then only then will you be able to appreciate and valuate Searl's concepts.

I will get the odd letter which runs me down, one of which states that I only print the good things and not the bad things which I receive...HOW WRONG THEY ARE as you will see from these books. In this book I enclose the latest letter for discussion, to show what I have to put up with as an inventor.

STARSHIP EZEKIEL PHASE TWO. I am already seeking land for this project undertaking...it will bring many people from all over the world due to publicity which will follow its construction...but it will be what this construction can do that will cause world interest and world Government debates.

The next page shows my request for land and why I need that land. When work progress upon this project photos will appear in future issues.

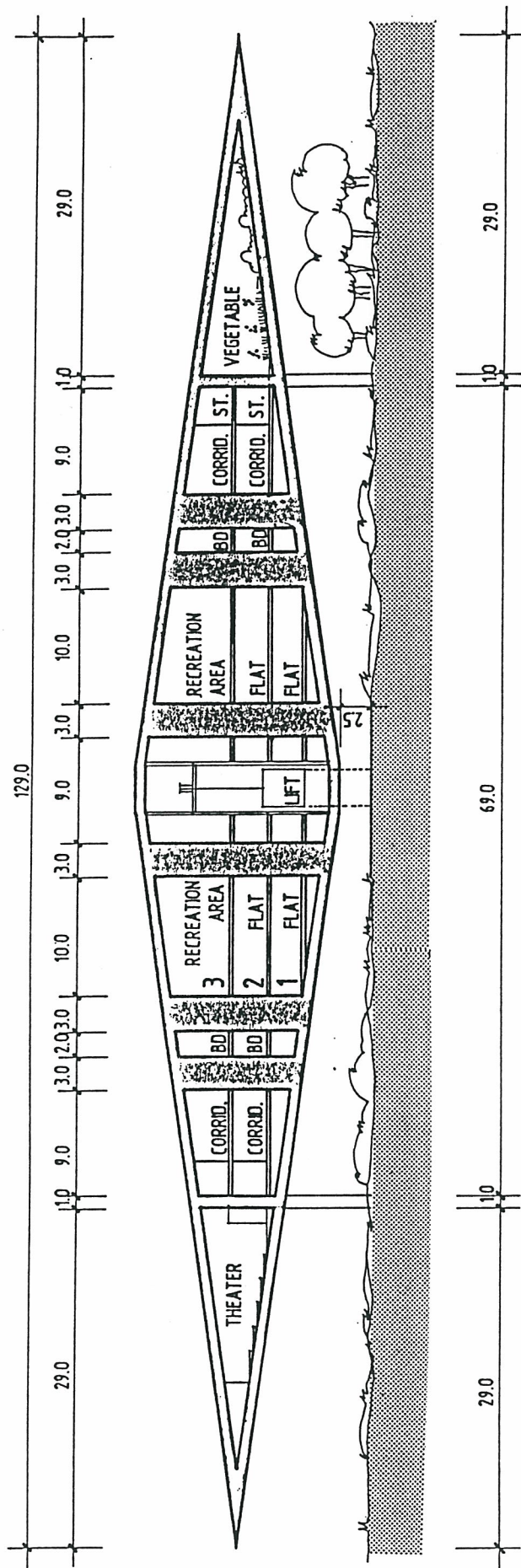


FIG.1. STARSHIP EZEKIEL PHASE 2 RESEARCH & DEVELOPMENT PROJECT TO CERTIFY THE PHASE 3 PROJECT.

This work is the results of THE LAW OF THE SQUARES, while phase 2 sits only on 6 legs, phase 3 sits upon 8 legs and is many times larger in size. Within this design we have many options available. Its a real storm house.

From time to time this completed project will disappear from the surface of the earth so that vital test can be carried out on all its life support systems, this work is vital to certify phase 3 systems as safe for space work. Also to certify that all systems in such homes will support those inside under absolutely bad conditions of an ice age or hurricane conditions. In these books you will read and examine the concept and its functions and options available at that time of writing. See for yourself the absolute investigation into the problems of design, materials and equipment, much of which was developed entirely for this project, but now available to industry to offset the cost of research and development of that project. Many more inventions are needed and likewise to offset the cost the firms will sell these products to the market. Many of you will not have heard of some of the things which are quoted within these books:

13 Blackburn
Lower Strand
Grahame Park Estate
LONDON NW9 5NG
TEL.081-205-6589

DATE.01.05.1990.

ATTENTION FARMER's.

I am seeking farmer's who have spare land for the purpose of building a very new class of house which I have termed an ENVIRONMENT HOUSE.

This house targets are :-

- (a)... Environmental friendly
- (b)... Structure to withstand winds above 300 MPH or greater
- (c)... To collect all forms of natural energy and convert to useful energy.
- (d)... Purification of all water
- (e)... Purification of all air entering and negatively charged for higher healthy and dust free condition...suitable for those who have asthma,bronchitis,hay-fever or hay asthma. Making it a far greater state of health for the functioning of the human brain.
- (f)... Maintenance basic zero rated.

HOPEFUL RESULTS :-

- 1... The running operational cost of energy of this building will be the cheapest in the world.
- 2... Fire proof
- 3... Sound proof
- 4... Burglar proof
- 5... No structural repair bills for thousands of years.
- 6... Structure can withstand an ice-age or hurricanes of the highest order.
- 7... Internal environment..dust,pollen,bacteria and positive state free,means better lung management,better blood management,better brain management..this all totals up to a more active and happy person.
- 8... Completely redesigned kitchen,bathroom and toilet to reduced all possible accidents which often happens far too often to children,aged and handicapped. So that crippled and handicapped may enjoy a full and happy life.

So if your power bills are far too high,which means they will continue to increase, possible each year...or your water supply does not meet your requirements...or your home is now costing you far too much to maintain..then think .. is this the venture for you... for no matter how much the cost of energy rises ... **THE ENERGY TO US WILL BE FREE.** By working together we shall all win ... by saving on cost of repairs and energy and water.

So why not join my club and become a member of the **FREE LIVING WORLD**..where life is cheap and healthy..a **REAL GREEN WORLD** for those who care for living.

I would welcome your views and ideas upon a better environment,either by phone or mail..if mail replies are required please enclose a stamp address envelope..

Thank you for your help.

Prof.J.R.R.Searl. Consultant Engineer.

I know that many people read technical books, or should I more correctly state that they pretend to read them, by this I mean they read only those bits which they think is important only, instead of the whole... thus they have knowledge with holes in it, to which they insert their own ideas. So their understanding is incomplete and as such the subject is rubbish to them, it does not work... They themselves created that project and defined the rules..not the writer. The article no longer is the writer's article, it is now the reader's article.

Thus upon this planet are many articles and books which includes my work, some of which are produced by writer's who have never meet me to discuss this work. What ever article that you read, you cannot reach the truth because the full content of the work is not included, so it lacks many pieces of FACTS MISSING, so it reads rubbish. Those odd writer's failed to listen to what they were told they just made up an article upon a very limited bit of information.

I have during 1989 found that some words used by me do not always mean the same to others. To avoid any wrong interpretation or misunderstanding I will explain what I mean with any key statement made herein.

ASTHMA = A chronic disorder of the organs of respiration, characterised by difficulty of breathing, wheezing, and a tightness in the chest.

BRONCHITIS = Inflammation of the lining of the bronchial tubes.

HAYFEVER = Irritation by pollen of the nose, throat etc., with sneezing and headache.

HAY ASTHMA = Asthma brought on during and following grass cutting where the dust particles ride upon the air currents.

POSITIVE STATE = internal rooms become positively charged electrically..thus minus of electrons. This state create the conditions whereby dust particles, pollen and bacteria can ride safely airbourne. This is far from a good state of affairs for man, for now he breaths in dust, pollen and bacteria. As the heat increases so does the positive state.

NEGATIVE STATE = The electrical condition of the rooms are negative charged. In this state the air cannot support dust, pollen or bacteria, but the room is cooler the more negative the room the cooler is the room.

BUILDING BLOCKS = Fundamental sections which forms the foundation of the whole, or the fundamental functions and links which combined these different functions.

I stated that the human being is a series of building blocks. As my work is for the benefit of man, then lets use him, as he represents the success of nature at work. My work is with nature, so lets go to town and relate my thinking.

First man must have a frame to build upon...like wise all my work requires a frame structure. While man's body has what is commonly called THE SKELETON this project STARSHIP EZEKIEL PHASE TWO also has a frame termed THE SKELETON. While man's SKELETON is made of bone which consist of a protein matrix (OSTROID) stiffened by CALCIUM this is element number 20 Ca. This is a solid material. It's crystal structure is cubic, face centered. Its atomic weight is 40.08 and its melting point is 692.73 Kelvin with a boiling point of 1180 Kelvin..No, a Kelvin is not something you eat...its a form of measurement. Thanks, go to some guy as far as I can remember who was an Irish physicist called Sir William Thomson, Lord Kelvin (1824-1907) who was kind enough to produce a thermometer scale with absolute zero for zero, no doubt to confuse us at a much higher level then we were, with the confusion of Fahrenheit and Celsius or Centigrade. I will try to reduce this confusion to much lower lever. To convert Kelvin to Centigrade = $C + 273.2$. That's solve that little problem.

At least you know why it is not wise to stand to near this class of heat. There is more information I can give you upon Calcium in another issue. Meanwhile, there is another substance in the bone called phosphate. But for now I like to state that the bones have a problem..that is, there is some little guys who love going around breaking out the calcium from the bones. Sort of opposite to people running around

spraying graffiti upon structures such as walls etc. So we have to send in a load of workmen to rebuild the calcium, something like the authority has to send a team to clean up the graffiti to put things right again. But if this state persists, then the repairing force slows down. So the workforce rebuilding our bone calcium up again, calls a meeting and states that this is a silly game, we slow down our labour because we can not win so in the end we see our bones shrinking. The same applies to the authority, as soon as they clean the mess up another lot appears, in the end they give up, it cost far too much in time and funds, so the overall appearance deteriorates. In the U.K. men's public toilets are a good ^{idea} of nature at work.. along comes the chap who must destroy the fittings at all cost.. the authority replace and replace, in the end they slow down on repairs, but destruction continues in the end they close that building to men.

Then people like me who needs to release water more often due to something wrong, have nowhere to go and suffer pain trying to find somewhere to go.. in the end you have to release the water no matter where you are, its an embarrassment for women passing, more so if they have young children with them. It takes so much longer to pass because of the pain involved by hanging on so long.

The authority are at fault.. they should have enough brain power to accept a FACT that you are likely to get the odd idiot dropping in who likes to show off what damage he can do. Its wrong to close a toilet to the public for hygiene reasons. But there is no excuse for lack of building such toilets as bi-sexual with a care taker in a glass cubical who can see that no one commits damage to the property.

Therefore, Starship Ezekiel Phase 2, Skeleton cannot be made of bone, we could not afford teams of men running around knocking down walls, so you have to keep sending in teams of men to re-pair them - if so in the end you would give up trying. Its like laying a pathway, like in front of this house.. along come children who dig it up and leaves holes which cost money and time to re-lay. So we have to select materials with great care.. something which will not need pulling down and replacing in a few months time. You know what I mean.. like your window frames and door frames rotting on you and leaking when it rains. So through these books we shall look at the options open to me. To see what I use, how and why.

Back to our bones, they form rigid levers for movement and protect soft structures such as the brain, spinal cord and viscera.

Bones may be :

- (a)... long, e.g., Femur, humerus
- (b)... short, e.g., Carpals and tarsals
- (c)... flat, e.g., Sternum and scapula
- (d)... irregular, e.g., Pelvic bones
- (e)... sesamoid, e.g., The patella

A long bone consists of a shaft and two ends. Its outer cortex of dense bone encloses the medullary cavity containing looser cancellous bone, blood vessels and fatty bone marrow. The shaft is covered by membranous periosteum, which contains blood vessels and bone-forming cells.

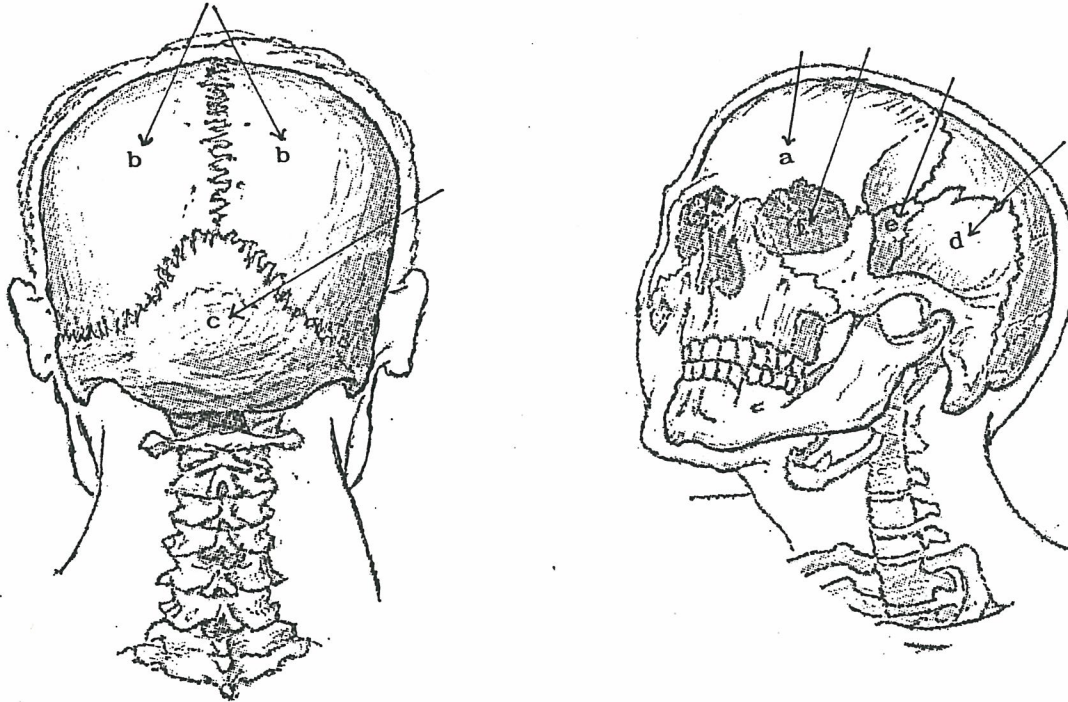
I want you to remember this, because as I start the discussion upon this project which will shortly be started, you will see how I have copied nature in so many ways.

Now what about the building blocks of man... I shall start at the top and work down through various issues.. thus at the top is the SKULL this is made up of 22 bones. The bones of the head are tightly connected by fibrous sutures. Apart from the mandible (lower jaw) they are immobile.

In this issue I shall not quote them all, but I shall take 8 of them to get you started. they are the 8 bones of the cranium which protect the brain. They are :

There are 1 frontal bone = a
 2 parietal bones = b

- c = 1 occipital bone
- d = 2 temporal bones
- e = 1 sphenoid bone, which with the occipital forms most of the base of the skull
- f = 1 ethmoid bone, between the brain and the nasal cavity.



Now I do not quite use the same terms in the STARSHIP EZEKIEL project, but basic design follows the same line of thinking, as we have explained in the above upon the bones. Instead of saying bones we say struts and shells

FACTS..March 1990 report states that the church and the middle classes were responsible for 100 years of decline in British industry, said New Institute of Directors. Well I never, I have been blaming the church only - after all they controlled the middle classes.

South West water has been committed for trial for not warning customers that supplies were contaminated by aluminium sulphate...well I never...is that strange, that the Government were not sent to trial for not warning the customers that eggs were contaminated with salmonella poisoning for 6 months, then when dear Edwina Currie did stand up and tell us she was shouted out of Government by those who should have told us. The hen breeders threatened millions of f's law suits against her for killing off their dirty business. While any other business would have been closed within hours of the first person died of the poisoning.

There should be just one law, if you continue to sell poison food or drinks to customers knowing that the products are contaminated then you should go to prison and lose your job.

We shall now extend our investigation into the contents of BOOK 1. To obtain a deeper understanding of this subject. When one goes outside late at night and the sky is clear one sees many tiny dots of light..today we know those spots as stars, but way back you would not have known that, nor would you have known that they were so far away as it is claimed today..to you they would have seemed to be very close and very near to you. When you look at the TRUTH TABLE values..you get the same impressed image that the squares are close together, even if you accept that the S.E.G. is hard to find.

You may never get the real distance between these squares in Book 1. First lets take a look at what we are talking about :-

Book 1 covers from square 3 to square 20 to the point where the 21 square starts on the next value. Thus we have 18 squares in operation. Therefore, every square will have a different number of squares to solve. So lets see how many each square has. ;

3 = 9	4 = 16	5 = 25	6 = 36	7 = 49	8 = 64
9 = 81	10 = 100	11 = 121	12 = 144	13 = 169	14 = 196
15 = 225	16 = 256	17 = 289	18 = 324	19 = 361	20 = 400

What is the differences between the squares ?

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
03	*	7	16	27	40	55	72	91	112	135	160	187	216	247	286	315	352	391
04	*	*	9	20	33	48	65	84	105	128	153	180	209	240	273	308	345	384
05	*	*	*	11	24	39	56	75	96	119	144	171	200	231	264	299	336	375
06	*	*	*	*	13	28	45	64	85	108	133	160	189	220	253	288	325	364
07	*	*	*	*	*	15	32	51	72	95	120	147	176	207	240	275	312	351
08	*	*	*	*	*	*	17	36	57	80	105	132	161	192	225	260	297	336
09	*	*	*	*	*	*	*	19	40	63	88	115	144	175	208	243	280	319
10	*	*	*	*	*	*	*	*	21	44	69	96	125	156	189	224	261	300
11	*	*	*	*	*	*	*	*	*	23	48	75	104	135	168	203	240	279
12	*	*	*	*	*	*	*	*	*	*	25	52	81	112	145	180	217	256
13	*	*	*	*	*	*	*	*	*	*	*	27	56	87	120	155	192	231
14	*	*	*	*	*	*	*	*	*	*	*	*	29	60	93	128	165	204
15	*	*	*	*	*	*	*	*	*	*	*	*	*	31	64	99	136	175
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	33	68	105	144
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	35	72	111
18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	37	76
19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	39
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Above are the square value.

Left are the differences between the squares.

My dream 1, states clearly, that I must look at the squares for my answers.

Now we have started to look at a bit of square data..what do we find ?

We find that the square is divided into 2 parts..but it does not divide down through the middle verticle,nor does it divide through the middle horizontally.

We witness that it automatic divides into 2 and it is with one line only which lies in the diagonal plane,and its not just any one of the 2 options. Its precise.

Now lets look at my dream one again,it clearly states that in nature,squares is the major law,that nature divides the square into 2 parts. That the dividing line is diagonal in a precise way that the mass of data or positive side is on your right,while the negative side is to your left..that the left diagonal is a mirror image of the right.

For the very first time in my life,I have produced the above table to see if it will support the claims which I have been making about my dreams since 1946. Behold,not does it only supports that statement,it covers much more of what I state in the design of the S.E.G.

What I have always stated is,that Nature anywhere in our universe has only 2 prime active states..being positive and negative and when at rest they are neutral. As stated,this is the first time I have ever tested the above square to see if what I state holds true .. before you,I will gamble it will support my dream one...if it fails I will just have to seek another square..as this is the first table possible,I shall try it first...I have no reasons to disbelieve what I feel the dream states.

The dream states take any block of 4 squares and check the 2 diagonals will be equal as it is at rest. Right or wrong...the proof is about to be seen.

First,take first operational block which is $\begin{bmatrix} 7 & + & 16 \\ 0 & + & 9 \end{bmatrix}$ what have we got ? We have $7 + 9 = 16$ while the opposite offers us 16..thats holds true. interesting too,is that the greatest value in the verticle plane lies on the right. So the positive state is on the right which = 25 while the negative side = 7,making a difference of 18. alright it worked the first time,thats just luck..lets test that statement.

Lets take the next block possible to its left that is $\begin{bmatrix} 16 + 27 \\ 9 + 20 \end{bmatrix}$ so we have $16 + 20 = 36$ and $9 + 27 = 36$. That holds TRUE. The left Verticle = 25 and the right verticle = 47 again the dream holds true. The differences = 22. The difference between these 2 blocks = 4.

Still says that is just luck...alright another test..we take the last bottom block which is $\begin{bmatrix} 37 + 76 \\ 0 + 39 \end{bmatrix}$ So we have $37 + 39 = 76$ and the opposite = 76 again the dream holds true. What about the verticle lines again the left = 37 while the right = 115 the difference = 78 the dream still holds true.

Take another test...the one above it.. $\begin{bmatrix} 72 + 111 \\ 37 + 76 \end{bmatrix}$ results $72 + 76 = 148$ and $111 + 37 = 148$ dream 1 still holds true. verticle left = 109 verticle right = 187 difference = 78. The dream still holds true.

Another test...take the block $\begin{bmatrix} 175 + 208 \\ 156 + 189 \end{bmatrix}$ so $175 + 189 = 364$ and $208 + 156 = 364$ again the dream holds true.. verticle left = 331. verticle right = 397 difference = 66. Still the dream holds true.

Lets test the very top right hand corner block. $\begin{bmatrix} 352 + 391 \\ 345 + 384 \end{bmatrix}$ So $352 + 384 = 736$ while $391 + 345 = 736$ again the dream holds true. Verticle left = 697. Verticle right = 775 difference = 78

$\begin{bmatrix} 345 + 384 \\ 336 + 375 \end{bmatrix}$ $345 + 375 = 720$ and $384 + 336 = 720$. $345 + 336 = 681$. $384 + 375 = 759$ difference = 78

$\begin{bmatrix} 261 + 300 \\ 240 + 279 \end{bmatrix}$ $261 + 279 = 540$ and $300 + 240 = 540$. $261 + 240 = 501$. $300 + 279 = 579$ difference = 78

Therefore the difference between each of the blocks down the right hand side = 78. I will not be bothered to check the rest of those. Its clear to me that it is a law of nature, it will all be the same.

What about the verticle group, left to the end column.

$\begin{bmatrix} 315 + 352 \\ 308 + 345 \end{bmatrix}$ $315 + 345 = 660$ and $308 + 352 = 660$. $315 + 308 = 623$. $352 + 345 = 697$. difference = 74

$\begin{bmatrix} 243 + 280 \\ 224 + 261 \end{bmatrix}$ $243 + 261 = 504$ and $280 + 224 = 504$. $243 + 224 = 467$. $280 + 261 = 541$. difference = 74

$\begin{bmatrix} 35 + 72 \\ 0 + 37 \end{bmatrix}$ $35 + 37 = 72$ and $72 + 0 = 72$. $35 + 0 = 35$. $72 + 37 = 109$. difference = 74

So without checking any more in this band, I accept all values will = 74. So the difference between bands = 4 Thus I can write a table of confidence as follows :-

Taking each column in turn and perdict that the force between bands will = 4

4 & 5 = 18
5 & 6 = 22
6 & 7 = 26
7 & 8 = 30
8 & 9 = 34

difference = 4
difference = 4
difference = 4
difference = 4

I am quite please that in my opinion the block of 4 squares will result in a difference of 4. Because in 1946 I stated upon the dream 1, that man must be produced from a code of 4...of cause we all now know that.

We also have confirmed that each block is neutral in itself, yet it creates a force of 4 units upon the next cell. What these 4 forces are we shall discuss in another issue.

But is that all the information within that frame ?

You are dead right if you stated NO. The dream 1 states that there is a stepping force of 2 involved...SO WHERE IS IT ?

Yes that stepping force is certainly there .. we shall find them.

There is not enough space on this sheet to complete those facts, so I will not start it on this sheet ,but on the next sheet so it is all completed on one sheet.

So the S.E.G. and the INVERSE-G-VEHICLE or even a house are by products of 2 and 4, then what makes it so hard to do ?

It is the failure of understanding the basic building blocks upon which all of my TECHNOLOGY is built. Nothing more and nothing less. Communication is great...but what good is it if you do not read it. If you do not listen..I know you do not,because of the questions you ask are so way out upon normal questions,which shows clearly that you have not listen to what I stated,or you failed to read what was sent you..you looked at it, but failed to read it,you read your own mind into it.

Now where are those 2's ?

From 4 the columns run diagonal instead of vertical,due to the FACT that in NATURE a square is 2 triangles.
So we have :-

4 stepping by + 2	
5 stepping by + 4	difference = 2
6 stepping by + 6	difference = 2
7 stepping by + 8	difference = 2
8 stepping by + 10	difference = 2
9 stepping by + 12	difference = 2
10 stepping by + 14	difference = 2
11 stepping by + 16	difference = 2
12 stepping by + 18	difference = 2
13 stepping by + 20	difference = 2
14 stepping by + 22	difference = 2
15 stepping by + 24	difference = 2
16 stepping by + 26	difference = 2
17 stepping by + 28	difference = 2
18 stepping by + 30	difference = 2
19 stepping by + 32	difference = 2

6 stepping by - 18	
7 stepping by - 20	difference = 2
8 stepping by - 22	difference = 2
9 stepping by - 24	difference = 2
10 stepping by - 26	difference = 2
11 stepping by - 28	difference = 2
12 stepping by - 30	difference = 2
13 stepping by - 32	difference = 2
14 stepping by - 34	difference = 2
15 stepping by - 36	difference = 2
16 stepping by - 38	difference = 2
17 stepping by - 40	difference = 2
18 stepping by - 42	difference = 2
19 stepping by - 44	difference = 2
20 stepping by - 46	difference = 2

00 stepping by - 48	difference = 2
00 stepping by - 50	difference = 2
00 stepping by - 52	difference = 2
00 stepping by - 54	difference = 2
00 stepping by - 56	difference = 2
00 stepping by - 58	difference = 2
00 stepping by - 60	difference = 2
00 stepping by - 62	difference = 2
00 stepping by - 64	difference = 2
00 stepping by - 66	difference = 2
00 stepping by - 68	difference = 2
00 stepping by - 70	difference = 2
00 stepping by - 72	difference = 2
00 stepping by - 74	difference = 2

This first table section is the hypotenuse , notice that it operates from left to right and operates more and more positive the larger the field is. The charge from left to right is 2 units positive difference.

There is no doubt in my mine that no matter how large the domains extend this steady increase remain true throughout the field.

Are these 2 forces part of the 4 forces which are acting in the same direction ?

Or are they completely different ?

From these 3 sections of the table we see that nature is much more negative than it is positive..WHY ?

Does the positive state represents energy used..because its clear to me that positive state is the work horse state.

Therefore,life is a negative identity,as it uses energy through work it generates a positive state.

Is that the reason as to why we get under stress when the rooms or atmosphere goes positive.

This 2nd block represents the base values they go negative, that is they go from right to left across.

Can that force be connected to our 4 forces,or are they different ?

These questions must be certified if we state that we are designing from the law of the squares. We must produce the links by which that design is achieved.

The last block of figures listed here are the values for the amplitude and as you can see they go negative and more negative as the domain grows larger.

Enclosed within this issue is a sectional view of an S.E.G. (SEARL EFFECT GENERATOR) including costing sheets to give the reader a better understanding of what is involved.

Not forgetting the nasty letter's that I get from time to time I said I would be discussing..so both sides of the coin can be viewed. Then I shall, this book, with the table which gives the distance apart each square is within this law. Before the last set of tables, I want to show the law of the squares that must be meet for this class of work.

One other point of interest..Gunnar Sandberg of Sussex University called on me on the 9.9.88 to try and get to sign an out of date contract, which never named me at all to do the S.E.G. for Collins. Following that refusal he stated in front of witness THAT I SHOULD BE MORE PROFESSIONAL..what a laugh..he claims to me that he has almost done it..but he cannot do it..I am the one who can do it.

Well I hope these books are more professional Gunnar. Since that date I had an investigator phone Gunnar to see what he would reply to certain questions, that telephone call print out is included in this issue. I want you to witness everything good and bad, so you will know the TRUTH, for there are far to many lies running round the globe and this damages real research work, its time that this muck was cleared up and a footing for future research laid down. As you have witness from these book pages I am determined to leave nothing unturned. In the effort to find the TRUTH.

REMEMBER WORK COST MONEY AND WITHOUT MONEY THERE'S NO WORK..CATCH 22.

FACT :-

"No law of nature, however general, has been established at once; its establishment is always preceded by many presentiments, but the acknowledgment of the law does not take place when it is recognized in all its significance, but only when it is confirmed by experiment which the scientific man must look to as the correctness of his conjectures and opinions."

Well that statement is alright, that is, if scientific man mentally accepts the possibility that such a concept would function as claimed, otherwise, as I know from experience you get some real nutty letters from them, after you meet them and point out the stupidity of what they wrote to you, they become so nice and polite confirming that it was a stupid thing to write to me. They have a very nasty habit to forget the very basic learnings of their early study days.

I have certainly been appalled at the thinking of individuals, such as scientists, royalty and Government officials... I have spoken to many members of parliament... they show us here that they have no idea of today's problems excepted the main news of the present moment... they ask you to vote for them... your life lies in their hands... and they still find the fools to vote them in. I must admit that for many years now I do not get any voting cards.. so I do not vote... I am free of any responsibility of placing idiots into power... therefore, I have the right to complain about the ways of their doings... today, I know of no one who is worthy of the right to run this country... that's why I do not vote.

If or if not, you are prepared to accept basic facts, is entirely upto you, I am not forcing you to accept them, to me it's a free world... there are only 2 states YES or NO.. so very simple, a child can do it. Which choice you take does not effect me at all, it's you that it effects in the end.

No dream is too big for one who dares to follow it. No star is set too high for the one who dares to reach for it. Follow your dreams... reach for the stars!

Everyone who writes about my work seems to forget the most important part... the elementary part... the very heart of its existence... they wonder off into the unknown... like the tachyon field... WHY?

Is it because it sounds fantastic... the problem is that it is fantastic, and that discredits my work.. because people reading this material immediately label me as the author of it... where I am not.

Tachyons what are they? Normally written TACHYON..

A hypothetical faster-than-light particle consistent with the special theory of relativity. According to this theory, a free particle has an energy E and a momentum p which form a Lorentz four-vector. The length of this vector is a scalar, having the same value in all inertial reference frames. Where c is the speed of light and the parameter M^2 is a property of the particle, independent of its momentum and energy.

$$(a) \quad E^2 - c^2 p^2 = M^2 c^4$$

Three cases may be considered :

- (1) M^2 may be positive, Zero, or negative.
- (2) $M^2 > 0$ applies for atoms, nuclei, and the macroscopic objects of everyday experience.

The positive root M is called the REST MASS.

If $M^2 = 0$, the particle is called MASSLESS.

A few of these are known :

ELECTRON NEUTRINO

MUON NEUTRINO

PHOTON

GRAVITON

- 3) $M^2 < 0$, G. Feinberg, who gave the name TACHYONS (after a Greek word for swift) to the particles with $M^2 < 0$.

Whether such particles exist is an interesting speculation but, to my knowledge upto 1970, there was no experimental evidence for them. Even at this time of writing 1990, I still have no FACTS to prove that they do exist. I can research into the negative... but I must not communicate negative.. I have to wait until the state changes from negative to positive then I can communicate that data.

In general, the particle speed is given by formula (B)

$$(B) \quad v = \frac{Cp}{E} \quad C$$

If $M^2 > 0$, formula (a) implies $E > Cp$ and formula (B) gives $V < C$.

If $M^2 = 0$, then $E = Cp$ and $V = C$.

In case $M^2 < 0$, one finds $E < Cp$ and $V > C$.

TACHYONS exist only at faster-than-light speeds.

One can eliminate p or E from formula (a) and (B) to get expressions for E and p in terms of the speed.

In case $M^2 > 0$, the familiar results are given by formula (c), where the radical signs imply the positive roots.

$$(c) \quad E = \frac{Mc^2}{\sqrt{1 - \frac{v^2}{c^2}}} \quad p = \frac{Mv}{\sqrt{1 - \frac{v^2}{c^2}}}$$

The way to make the analogous formulas for TACHYONS is to introduce the positive number μ such that

$$(d) \quad M^2 = -\mu^2 C^4$$

Formula (b) and (d) gives formula (e)

$$(e) \quad E = \frac{\mu c^2}{\sqrt{\frac{v^2}{c^2} - 1}} \quad p = \frac{\mu v}{\sqrt{\frac{v^2}{c^2} - 1}}$$

It is seen that for ordinary particles as V increases, E increases, but to speed them upto $V = C$ would involved an infinite amount of energy.

In contrast for TACHYONS, as V decreases, E increases, but to slow them down to $V = C$ would involve an infinite amount of energy.

For an ordinary free particle with $M^2 > 0$, there is always a special reference frame, called the REST FRAME, in which $p = 0$.

From formula (a) it is seen that the energy there has the minimum value MC^2 .

No such special frame exists for MASSLESS particles.

For TACHYONS also the situation is quite different.

For a free TACHYON a special frame can be found in which $E = 0$ and, according to formula (d), p has the minimum value μC .

Since the TACHYONS may exist at Zero energy, there is no energy obstacle in creating them in elementary particle reactions.

According to electromagnetic theory, a charged particle moving at speed greater than the speed of light in a medium emits light, the CERENKOV RADIATION.

If charged TACHYONS existed, they would spontaneously radiate light even in a vacuum.

Its a very interesting subject and we need more space to discuss it, so within another issue we shall look much deeper into this subject. this article is not presented to mock or insult, but to show the problem in relation to technology and the inventor. Objective to generate feedback of interesting material to create a general discussion upon science to help to enlight others who are having problems with their inventions.

FACTS :-

Attempts to detect TACHYONS have been made by looking for the CERENKOV RADIATION, and by analyzing for negative M^2 values in elementary particle reactions.

The conclusions have been negative, and to my knowledge, the present indications are that this type of particle does not exist.

The next page article is the prime parts of a telephone communications by a solicitor on my behalve and Gunnar Sandberg of Sussex University, with David Sterling acting for me. After you read it I shall see if any other information is needed to help you to understand the full TRUTH of this call.

The phone call was made sometime between the 7-4-89 and the 12-4-1989, the accurate date is unknown as I was in the Canary Islands at the time this call took place. I have no doubt that much more was discussed about the S.E.G. than has been put to paper in reference to that call. Things said, that I will never know about, but then you would be surprise as to what I do find out, in the end.

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MR SANDBERG
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Spoke with Mr Sandberg, researcher in the Engineering Dept. of the Univ. of Sussex, author of report about Searl. Swedish researcher - formerly working with engineering companies in Sweden and now his first independent research university project. Been an electrical engineer since 1951. Got interested in this effect through "anti-gravitational experiments" or levitations. Says that Einstein's theory of relativity supports the possibility of anti-gravitational effects theoretically but gives no indication of how to carry out such experiments in the lab.

Prof. Edwards, Prof Jerama (?) and Dr A.W. Simpson all of Univ. of Sussex (now retired, but carries out work in the dept.) also involved.

Sandberg has known Searl for many years, attempted to support his findings and develop experimentally his ideas which Searl only gave to him on paper. Searl was invited to the University in 1983 to explain his ideas - but has not yet taken up the offer. May have been for personal reasons. But now, "He probably won't because he has support from others".

Generally Sandberg was cagey about saying anything at all specific, but he was surprisingly willing to talk generally about the project.

He says the energy in question comes from the "vacuum in space or from the nucleus itself". Theoretically, he says, it seems possible to "borrow energy from the vacuum".

The energy is "manifested through magnetic field".

He said there were hundreds of theories but no proven documented specific theory applied here. Sandberg, however, believes the energy is there, despite the lack of theoretical evidence.

He has witnessed the "phenomenon" (referred to in paper) which appeared genuine. He saw the mechanical effect - it's a conversion of energy - not perpetual motion.

Was it a breakthrough? Sandberg saw and experienced the effect last year - he wouldn't specify the effect - but says this was not direct proof. Similar effects have been seen by "another person". When asked, he said that other person was Searl. But Searl never published his findings. It was, however, Searl who told Sandberg to look out for the particular effect. Sandberg described this effect as a "milestone" although he was unwilling to specify what happened. He did say that the phenomenon used the "Searl Effect" - which was a theory, as yet unaccepted by established science.

"We have reached a stage now in which we are hoping to prove its existence. And are in the process of buiding a machine which may - or may not - show the effect," he said.

He is still involved in getting parts and constructing the machine. Regarding the comparison between the "Searl Effect" and the Collins device, Sandberg said that it was rather like the difference between a petrol engine in 1905 and one today. They both looked quite similar and functioned in a similar way but differed in their efficiencies. There was a great deal of overlap between Searl's ideas and Collins' device, he said.

Sandberg had relied on both intuition and his work on magnetism and engineering in the past. He had also looked at the Collins device - where similar effects were being shown.

His confidence was growing every day, he said, and the chances of success "far exceed 50%". In VERY NEAR FUTURE (by this summer we should know one way or another - within the next three or four months).

He had been encouraged also by very recent results from Univ. of Utah and Univ. of Southampton where researchers (just before Easter) discovered a way of making energy through a system called "cold fusion reaction". This is a way of fusing two deuterium nuclei together to produce helium and getting an excess of energy in the reaction of about FOUR TIMES the amount put in. Through friends, Sandberg has asked the scientists involved whether they believed it was a nuclear process. As yet, it was not known. Perhaps, says Sandberg, they had "stumbled upon the same energy source" as the one he was working on.

Many UK scientists have been extremely sceptical - saying it's not possible to produce such these kinds of amounts of energy at room temperature. But since then, two other teams - one in Europe and one in the U.S. have come across similar results.

The general benefit is getting a new source of energy contained in space or in the nucleus.

It's available everywhere and to the general benefit of man through simple devices which can be produced cheaply and what's more they're very clean. There doesn't seem to be any waste products. The safety factor, however, needs closer investigation, "since, after all, we don't know what we're dealing with". There may, he says, be some radiation which we haven't yet discovered.

Searl is quite a controversial figure. No formal education. He had great difficulty in getting others to accept his ideas. Sandberg has helped and supported him over the past 20 years. Recent personal difficulties may have effected him. A certain degree of financial downfall had beset him but recently he had been getting back on his feet, said Sandberg.

Sandberg says Searl and Collins don't get on too well. Sandberg has tried to smoothe things down between them but they continue to have disagreements. "It's a very delicate time," says Sandberg.

Searl now has other people to support him, said Sandberg, refusing to specify whom. "He doesn't need us any more," said Sandberg, "although we did invite him to come to the university and explain his views."

Much secrecy and mystery seems to surround the project.

Other problems here include foreign interest. For example: Sandberg knows that the Japanese are trying to buy the exclusive rights to the field. Another person - he wouldn't say who - had been offered £80M (YES 80 MILLION POUNDS!) for the rights from a Japanese firm. Toshiba know about the effects too.

Other companies who are interested include Siemens, ASEA (Swedish firm) and a Swiss firm Braun-Bauverie (?). Sandberg says many of these big companies are willing "to play lots of dirty tricks" to get at the information. Other foreign interest has come from the U.S. and Canada.

"We are talking about billions of pounds. The rewards can be staggering," he said. Indeed the rewards can be beyond comprehension, but it's going to take a lot of time. There would be an enormous amount of unemployment created by such energy sources - either with the Searl-type effects or through cold fusion (both carried out at room temperature). Governments would also be cautious. Sandberg says that many scientists are already saying that these effects could be "the invention of the century".

However, there are risks. But as time goes by he feels the financial risks are diminishing. Indeed time is getting short. Since he reckons that results will start to indicate possible success or failure of the projects within the next few months. "We'll know one way or the other by the summer".

Levitation of discs - ie. flying saucers. Quite possible, says Sandberg. Need to look more fully into it. But the details seem to corroborate with findings in the US. The effect, so far, is relatively weak. He has seen photographs, but says clearly that seeing a photograph is no indication that it actually works.

A group in Scotland has been working on the levitation of gyroscopes. If all of this is true, then we would be looking at a new propulsion method, he said. Searl told Sandberg that he had even lost discs (2 or 3 feet in diameter) which went flying off. Searl reckons these models could be scaled up. However, Sandberg says he wanted to "reserve judgement" on this field before he could give further information. Einstein's Theory of Relativity, however, predicted that these phenomena could occur.

PS: Regarding documentation we would have to approach "Collins" company.

"My client" (ie you, David) would be most welcome to meet Mr Sandberg and have a "general discussion" about the phenomena. If we wanted to see "what was mentioned in the report", however, then we would also have to ask permission from Collins. Mr Sandberg said that Collins would most likely agree to such a demonstration.

Reference to Sussex University offer for me to go there to discussed my ideas ... well on the 07-07-1989 in company of Luis Jarillo and Susanah Njuguni Mutua we made our way to Sussex University for the purpose of laying my case before Gunnar Sandberg and Dr.Dennis Edward.

We all were made welcomed, and I discussed the concept..Gunnar agreed that the claims made by me, on what he witness was true..it was clear to me that Dr.Edwards not been informed upon much of these statements.

We were given launch and continued to discuss this work..later we were shown some of their research work on levation conveyer belts by computer control..plus the printed data.

In reference to myself, working there upon this work .. was left as follows :

Brain Collins contract must end .. both Dr. Edwards and Gunnar Sandberg admitted that they had no intentions of renewing that contract..Collins was finished in a few weeks time. Then and only then would I sign a contract with them.

No more communications have taken place, with either Dr.Edwards or Gunnar Sandberg since December 1989 to this date of May 1990.

The only reason, as to why I could not accept the offer made by Gunnar in 1983, in which, he was informed at that time, was related to the FACT that all my work had been destroyed .. at this meeting, I told Dr.Edwards that I had informed Gunnar that I felt that all my work would soon be destroyed, please collect all my paper work on Sunday and bring it to me... He admitted to Edwards before us, that he did call, but he was late, and he saw all the materials and documents, many books showing who had called upon me during the years of research to witness the demonstrations given, some of whom, was very important people. He was sorry that he did not collect this vital data, for when he called a month later to collect, it had all been destroyed.

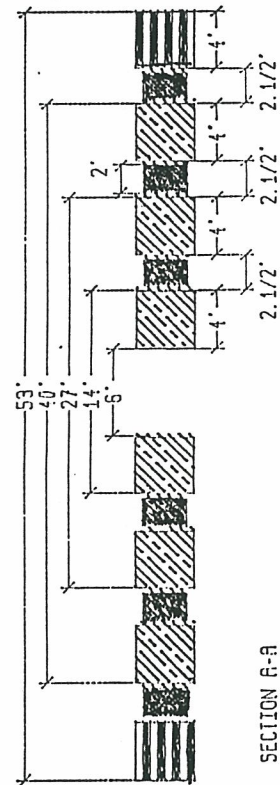
He told Edwards, that it would had taken too long to sort out the most important things to take to Searl, there was so much materials, so he left it. So Gunnar knew that I would not go to the university until I had replaced all the data again, relating to the S.E.G. and INVERSE-G-VEHICLE....So he told a little white lie.

Reference..he states that I may not want to use him in this work, because others are now helping me ...this is all rubbish .. he knows that very well, that I will work with all people ... but I will not work for peanuts for other peoples greedy gains...like Brain Collins.. once the greedy part is gone .. I am ready for action. Gunnar and Edwards know this FACT..if after all my phone calls upon this matter to both of them, they still do not understand this point..then all I can say, is they should not be working in a university.

If they had made the contract with me at the time they made it with Collins, in a manner Just and sincere, which as yet, they have not yet offered me ... the S.E.G. would had been done and marketed long ago. After all, we all know that the Collins engine is the S.E.G. No matter how they try to hush hush it up. We know that Gunner saw this effect long before Collins appeared on the university grounds. Collins also saw this effect years before Gunnar saw it. Since that time Collins has struggled to copy what he saw without luck..but thats another story of the TRUTH for another issue.

We have seen the first picture of the major project about to be started..on the next page is another drawing of the S.E.G. again another project which conforms to the LAW OF THE SQUARES which I am presenting to you. I will follow it with some facts and pricing for the S.E.G., this only covers the mixture and not the equipment cost for this project.

Notice in the Tachyon information, how scientists must use the square law for their calculations .. how strange they cannot get away from the very subject in which all my work is based. What differs between them and me... is the fact that while they use the squares only from the base, I, on the other hand, use them from their absolute value, and extend them through many levels, while the scientists do not.



I have been asked so many times about the mixture of these magnetic devices which you wrongly call magnets. Here is just a bit of information upon that subject. This work out for a S.E.G. being made overseas is a 7 square system...thus from the table shown in this issue you can only have 16 choices from any of its squares....these choices from one square have been worked out and priced.

It gives you plenty to think about..for the first time ever ... you are looking at something made by nature's way instead of man's way.

Do you,do anything which is done the same way as nature does it ? Have you had a dream which has fired your brain into seeing something different..or a nightmare ... which has worried you... or anything which you feel sincerely needs changing. Then tell me about it.

Seale Effect Generator

INNER PLATE, 8222.2 cc															
60	Ni	6/6	Nylon	26	Fe	22	Ti	15	S	14	Si	13	Al	Price	Power diff.
cc	£	cc	£	cc	£	cc	£	cc	£	cc	£	cc	£		
1	1,197	148	23	1,179	153	1,177	140	1,168	12	1,159	65	1,157	32.70	573.70	8,222.20
2	1,198	148	23	1,180	153	1,178	140	1,169	12	1,160	65	1,151	32.53	573.99	8,222.20
3	1,196	148	23	1,185	153	1,176	140	1,167	12	1,158	65	1,156	32.67	574.12	8,222.20
4	1,195	148	23	1,184	153	1,175	140	1,166	12	1,164	65	1,155	32.64	574.03	8,222.20
5	1,194	147	23	1,183	153	1,174	140	1,165	12	1,163	65	1,154	32.61	573.68	8,222.20
6	1,193	147	23	1,182	153	1,173	140	1,171	12	1,162	65	1,153	32.58	573.26	8,222.20
7	1,199	148	23	1,181	153	1,172	140	1,170	12	1,161	65	1,152	32.56	573.64	8,222.20
8	1,197	148	23	1,176	152	1,175	140	1,174	12	1,158	65	1,153	32.58	573.52	8,222.20
9	1,196	148	23	1,180	153	1,173	140	1,173	12	1,173	65	1,172	33.12	571.78	8,222.20
10	1,197	148	23	1,181	153	1,174	140	1,171	12	1,163	65	1,155	32.64	573.31	8,222.20
11	1,198	148	23	1,182	153	1,174	140	1,165	12	1,164	65	1,156	32.67	573.72	8,222.20
12	1,199	148	23	1,183	153	1,175	140	1,167	12	1,157	65	1,151	32.53	573.99	8,222.20
13	1,197	148	23	1,182	153	1,174	140	1,168	12	1,160	65	1,152	32.56	573.73	8,222.20
14	1,193	147	23	1,184	153	1,177	140	1,169	12	1,161	65	1,153	32.58	574.08	8,222.20
15	1,194	147	23	1,185	153	1,178	140	1,170	12	1,162	65	1,154	32.61	573.66	8,222.20
16	1,195	148	23	1,179	153	1,178	140	1,170	12	1,162	65	1,154	32.61	573.66	8,222.20

MIDDLE PLATE, 16890.3 cc															
60	Ni	6/6	Nylon	26	Fe	22	Ti	15	S	14	Si	13	Al	Price	Power diff.
cc	£	cc	£	cc	£	cc	£	cc	£	cc	£	cc	£		
1	2,722	336	53	2,704	350	2,702	322	2,693	28	2,684	151	2,675	75.62	1,315.43	18,890.30
2	2,721	336	53	2,704	350	2,699	321	2,694	28	2,682	151	2,677	75.67	1,314.96	18,890.30
3	2,702	334	53	2,700	349	2,699	321	2,698	28	2,687	152	2,686	76.21	1,313.23	18,890.30
4	2,721	336	53	2,703	350	2,701	322	2,692	28	2,683	151	2,681	75.78	1,315.14	18,890.30
5	2,720	336	53	2,709	351	2,700	322	2,691	28	2,682	151	2,680	75.76	1,315.56	18,890.30
6	2,719	336	53	2,708	351	2,699	321	2,690	28	2,688	151	2,679	75.73	1,315.47	18,890.30
7	2,718	336	53	2,707	350	2,698	321	2,689	28	2,687	151	2,678	75.70	1,315.12	18,890.30
8	2,717	336	53	2,706	350	2,697	321	2,685	28	2,686	151	2,677	75.67	1,314.71	18,890.30
9	2,723	336	53	2,705	350	2,696	321	2,694	28	2,685	151	2,676	75.64	1,315.08	18,890.30
10	2,719	336	53	2,703	350	2,702	322	2,694	28	2,686	151	2,678	75.70	1,315.10	18,890.30
11	2,718	336	53	2,709	351	2,701	322	2,693	28	2,685	151	2,677	75.67	1,315.52	18,890.30
12	2,717	336	53	2,708	351	2,700	322	2,692	28	2,684	151	2,676	75.64	1,315.17	18,890.30
13	2,723	336	53	2,707	350	2,699	321	2,691	28	2,683	151	2,675	75.62	1,315.55	18,890.30
14	2,722	336	53	2,706	350	2,698	321	2,690	28	2,682	151	2,681	75.78	1,315.26	18,890.30
15	2,721	336	53	2,705	350	2,697	321	2,689	28	2,688	151	2,680	75.76	1,315.17	18,890.30
16	2,720	336	53	2,704	350	2,696	321	2,695	28	2,687	151	2,679	75.73	1,314.75	18,890.30

Are you handicapped ... if so, please tell me about the things which ^{you} are in need of re-design in the home, the more I can understand your needs ... the more I can do to help to change things .. which will improve your life standed.

Together we can make life better on earth for all .. and not for the few. On earth is both HELL and Heaven, which you are in, depends entirely on you. After death.. there's nothing .. its here on earth where the two states exist..the choice is your's and its FREE.

As you can now see that the very heart of this work is just PURE OLD CHEMISTRY..I am so sorry to disappoint you..or create a disaster for you after spending so much money to make the S.E.G. to catch all those free tachyons...as I have always told you that it was not a HIGH-TECH TACHYON GENERATOR.. its only a simple straight forward SEARL EFFECT GENERATOR abiding to the LAW OF THE SQUARES and nothing else. Yes your glamour and excitement has vanished .. what no TACHYONS ... No to the best of my knowledge .. there's nothing to do with tachyons...but you can smile again because one day we may be able to prove that something which is at this time unknown may be involved by being able to isolate it..but until we can do that...we must abide by the rules of the game. NO TACHYONS.

Searl Effect Generator

Generator Element Costings \$/£ = 1.700

SELECTIONS

	60	NJ	6/6	Nylon	26	F8	22	TI	16	S	14	SI	13	AI	Price	Volume	Power diff.	
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	
Rollers	1	2,908	359	2,354	46	1,800	233	1,731	206	1,177	12	623	35	69	1.96	893.76	10,663.00	2,838.85
Inner Plate	13	1,199	148	1,191	23	1,183	153	1,175	140	1,167	12	1,157	65	1,151	32.53	573.99	8,220.20	48.00
Outer Plate	13	4,258	526	4,250	83	4,242	549	4,234	504	4,226	44	4,218	237	4,210	119.02	2,062.60	29,639.00	48.05
Middle Plate	13	2,723	336	2,715	53	2,707	350	2,699	321	2,691	28	2,683	151	2,675	75.62	1,315.55	18,890.30	47.90
	11,087	1,370	10,510	206	9,932	1,286	9,838	1,172	9,260	96	8,681	488	8,105	229.12	4,845.90	67,412.50	2,982.80	
kg	77.61		11.67		78.06		44.27		19.17		20.23		21.88					

SAMPLE ROLLER, 154.46 cc

	60	NJ	6/6	Nylon	26	F8	22	TI	16	S	14	SI	13	AI	Price	Volume	Power diff.
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
1	42	5.19	34	0.67	25	3.37	25	2.68	17	0.18	9	0.51	1	0.03	12.91	154.00	41.00
2	42	5.19	33	0.65	31	4.01	22	2.62	13	0.13	11	0.62	2	0.06	13.28	154.00	40.00
3	43	5.31	35	0.69	27	3.50	19	2.26	18	0.19	10	0.56	2	0.06	12.56	154.00	41.00
4	43	5.31	34	0.67	32	4.14	23	2.74	14	0.14	5	0.28	3	0.08	13.37	154.00	40.00
5	44	5.44	36	0.71	28	3.62	20	2.38	12	0.12	11	0.62	3	0.08	12.97	154.00	41.00
6	44	5.44	35	0.69	26	3.37	24	2.66	15	0.16	6	0.34	4	0.11	12.95	154.00	40.00
7	25	3.09	24	0.47	23	2.98	22	2.62	21	0.22	20	1.12	19	0.54	11.03	154.00	6.00

ACTUAL ROLLERS, 10683 cc

	60	NJ	6/6	Nylon	26	F8	22	TI	16	S	14	SI	13	AI	Price	Volume	Power diff.
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
1	2,908	359	2,354	46	1,800	233	1,731	206	1,177	12	623	35	69	1.96	893.76	10,663.00	2,838.85
2	2,908	359	2,285	45	2,146	278	1,523	181	900	9	762	43	138	3.91	919.35	10,663.00	2,769.61
3	2,977	368	2,423	47	1,669	242	1,316	157	1,246	13	692	39	138	3.91	869.71	10,663.00	2,838.85
4	2,977	368	2,354	46	2,216	281	1,593	190	969	10	346	19	208	5.87	925.80	10,663.00	2,769.61
5	3,047	376	2,493	49	1,939	251	1,385	165	831	9	762	43	208	5.87	858.38	10,663.00	2,838.85
6	3,047	376	2,423	47	1,800	233	1,662	198	1,039	11	415	23	277	7.83	856.74	10,663.00	2,769.61
7	1,731	214	1,662	33	1,593	206	1,523	181	1,454	15	1,365	78	1,316	37.19	754.05	10,663.00	415.44

The S.E.G. is an absolute precision high technology - with 2 states involved in the manufacturing of it. First state ... the making of the blank part.... second... energise the blanks. Both states depend entirely upon the correctness of the square being used. If its wrong, o boy you have lost your money. The S.E.G. is not a magnet or a christmas pudding..it a magnetic device..and respect it as such.,then you will be on your way to success.

Chemistry is the science of material substances and the transformations through which they are formed or change into other substances. More than four million varieties of substances have been reported in the chemical literature and recorded in the registry system maintained by chemical abstracts service. The number continues to increase. Many of these substances were originally found in naturally occurring materials, but the great majority have been discovered by laboratory synthesis from other known substances. Central to the comprehension of this vast array of distinct substances and associated information about their properties are the chemical elements..and it is this very heart of the SEARL TECHNOLOGY which is ignored by all who claim to be working or have been working to prove the SEARL EFFECT for their own personal gain. Slightly over a hundred scientifically confirmed elements are known, and all existing substances are composed of these base elements. The grand scientific principle of classifying elements is known as the PERIODIC LAW, and the PERIODIC CHART of the ELEMENTS is a modern representation of that LAW and the latest available facts relating to each element.

This data presented here is for explanation purpose only, and does not imply that you have the rights to make it - you do not have the rights to make it. Warning..any one found having made it, will be sued for millions and a order will be seeked to have such units destroyed.

Searl Effect Generator

OUTER PLATE, 29639 cc

	60	Ni	6/6	Nylon	26	Fe	22	Ti	16	S	14	SI	13	Al	Price	Volume	Power diff.
1	4,256	526	4,251	83	4,239	549	4,234	504	4,229	44	4,217	237	4,212	119.08	2,062.02	29,639.00	44.05
2	4,237	523	4,236	83	4,235	548	4,234	504	4,233	44	4,232	238	4,231	119.62	2,060.28	29,639.00	6.05
3	4,257	526	4,248	83	4,239	549	4,237	505	4,228	44	4,219	237	4,210	119.02	2,062.49	29,639.00	47.05
4	4,256	526	4,247	83	4,238	549	4,236	505	4,227	44	4,218	237	4,218	119.19	2,062.20	29,639.00	40.05
5	4,255	526	4,245	83	4,244	549	4,235	504	4,226	44	4,217	237	4,215	119.16	2,062.62	29,639.00	40.05
6	4,254	526	4,245	83	4,243	549	4,234	504	4,225	44	4,223	237	4,214	119.14	2,062.52	29,639.00	40.05
7	4,253	525	4,251	83	4,242	548	4,233	504	4,224	44	4,222	237	4,213	119.11	2,062.18	29,639.00	40.05
8	4,252	525	4,250	83	4,241	549	4,232	504	4,220	44	4,221	237	4,212	119.08	2,061.76	29,639.00	40.05
9	4,258	526	4,249	83	4,240	549	4,231	504	4,229	44	4,220	237	4,211	119.05	2,062.14	29,639.00	47.05
10	4,254	526	4,246	83	4,238	549	4,237	505	4,229	44	4,221	237	4,213	119.11	2,062.15	29,639.00	41.05
11	4,253	525	4,245	83	4,244	549	4,236	505	4,228	44	4,220	237	4,212	119.08	2,062.57	29,639.00	41.05
12	4,252	525	4,251	83	4,243	549	4,235	504	4,227	44	4,219	237	4,211	119.05	2,062.23	29,639.00	41.05
13	4,258	526	4,249	83	4,242	549	4,234	504	4,226	44	4,218	237	4,210	119.02	2,062.60	29,639.00	48.05
14	4,257	526	4,249	83	4,241	549	4,233	504	4,225	44	4,217	237	4,216	119.19	2,062.31	29,639.00	41.05
15	4,256	526	4,248	83	4,240	549	4,232	504	4,224	44	4,223	237	4,215	119.16	2,062.22	29,639.00	41.05
16	4,255	526	4,247	83	4,239	549	4,231	504	4,230	44	4,222	237	4,214	119.14	2,061.81	29,639.00	41.05

Many people have written about my work and sells it to others for their own personal use..they do not feed the profit back here to speed up the research so that all can benefit from that research. So from now on charity must end the cost today runs into thousands of £'s to prepare these books and that cost must be recovered,so work is not delayed,its been delayed for over 7 years for sheer lack of funds. So if you are committing a wrong to me,then do not be angry if you read about it in these books,but be please that you are receiving recognition for what you are.. for these books are the absolute TRUTH about all things relating to my work. The GOOD and the Bad..the rights and the wrongs.

Each book will contain more pictures and facts relating to past work, and as work progress more data relating to that work will be released..the project STARSHIP EZEKIEL PHASE 2 is shortly to start, though to the media very little data will be given,reasons simple..they were not interested before it started..so why should I be interested to give them free data which they make profit out of. But these books will give much of the data..but much will remain TOP SECRET.

Therefore you must get your cooking right the first time...if not you certainly do not have a S.E.G.

As these tables show ... you must get your ingredients correct ... this does not make one a genius .. or you have to do is study the facts of all nature .. the rest is just simple, just copy it.

A computer can only give you the answers to the question that you ask it...if it is wrong...then you gave it the wrong question.

ONE OF THE FAMOUSE LETTER WHICH INVENTORS CAN GET.



$$X+Y+Z+T+(-X)+(-Y)+(-Z)+(-T)=0$$

DEAR JOHN

OKAY SO YOURS GOING THROUGH A LOT OF PAIN,
EGO PAIN — YOUR PAIN WHICH IS IT. JUDGE NOT BEST
YOU BE JUDGED! YOUR BACKGROUND SPEAKS FOR ITSELF.
YOUR PROGRAMMED BY YOUR PAST. WE ALL ARE.
DE-PROGRAMME THROUGH RE BIRTHING GET RID OF THE
PAIN. AND LET GO — THE FLOW WILL RETURN.
ACKNOWLEDGE THE CREATOR AND ALL THAT IS, INCLUDING
MILLIONS UPON MILLIONS OF WORLDS LIKE OURS. ANTI GRAVITY
IS NO BIG THING. ITS BEEN AROUND FOR ACOUS OF
TIME — WHAT IS TIME? YOU HAD IT ONCE NOW ITS GONE
HAST IT, WHY? LOOK INTO YOUR EYES IN THE MIRROR
WHAT DO YOU SEE? THATS RIGHT. YOUR SELF. YOUR OWN
WORST ENEMY MAKE PEACE AND YOU WILL TRANSEND.

NOW ANTI GRAVITY! SO YOU THINK YOU KNOW ALL THERE IS.
NOT SO. I WILL GIVE YOU A FORMULA THAT WILL POWER
ANY SIZE CRAFT AT LIGHTING SPEED.

$$P^2 = c(32^E S D^{32})^{-1} A + E^C \rightarrow E^C + A \text{ CEF } 675 \times L^5 E^7 L^E$$

$$C^2 / \text{GEM EMC}^+ \text{ --- } E^F \rightarrow X \text{ --- } \frac{14}{16} \text{ --- } \frac{14}{16} \text{ --- } C^* + E^F \text{ ---}$$

$$+++ \text{ C MPS } \uparrow \alpha = \frac{1}{2} \text{ GEM}$$

$$-1 \div \therefore \theta^E_C = \text{GEM}^- \text{ --- } E^F \leftarrow \text{GEM EMC} / 2 \text{ --- } 1 \text{ --- } 7 \text{ --- } \phi \text{ --- } 7 \text{ --- } E$$

$$R^{109} = 32^L \cdot Y. P^E \theta \text{ --- } 0.0167 = 167^\circ W - 27^\circ E_S$$

THIS IS AN ISOTOPIC REACTION OF H₂O WHICH TRANSFERS INERTIAL FIELD
ROTATIONAL FLUCTUATIONS INTO ACOUSMATIC MOTION. IT IS A APPLICATION OF INERTIAL
FIELD RESONANCE.

LOOK ALIENED YOU THINK! YOU ARE NOT ALONE YOUR
GOVERNMENT KNOWS VERY WELL WHAT IS GOING ON. THEY HAVE
AFTER GRABED AS YOU CALL IT IN FACT FOR MORE THAN 30 YEARS.
REMEMBER WHAT HAPPENED TO THE MEN AT MARCONI — THEY KNEW
TOO MUCH. YOU MUST PROTECT YOUR MIND FROM WHAT YOU CALL
SCIENCE. WATSON MAKE YOURSELF A SCHUMANN RESONANCE
PAPER OR BUY ONE, THEY ARE MADE IN W.GERMANY, USE IT QUICKLY.

ONE DAY WE SHALL MEET OR BEFORE
BUT FOR NOW

I AM



MR J SEALE
13 BLACKBURN RD.
LOWER SOLEHES
GRANHAM PARK BLADE
LONDON NW9 5NF
ENGLAND.



I must admit that in all the years that I have been working upon this work, I have been lucky to have only received 2 other stupid letters, and they came from the same man in Canada. His letters will be discussed in another issue..I do not wish to make these books too insane.

This letter was received here on the 9th of April 1990..at this time I had a party of helpers from Rome staying here, so I asked them what they thought of it ... It is a sick mind every stupid person. Members of the owners family here were shown it too ... they were outraged by its insults ... they demanded that I cease communication with such an idiot.

Lets take a real look at it... it carries no address - this is a normal thing with mental illness.

Statement .. acknowledge the creator ? What creator ?

and all that is ...that is rather stupid .. as no one has ever written so much about all things, than I have as even these books show that I go to the absolute point, there is no point beyond this.

No doubt they mean the bible .. so many declare that it has survived time ... ITS A LIE ... IT HAS NOT. For its only been around for a mere 200 years in the western world, and in that time its been changed a number of times to fit the needs of society. For so many years the church has been asked to put their house right and in order .. so far they have failed to...all claims so far submitted have been proved fake and we know when it was done. So far before me there is no real evidence of Jesus actual existence yet he is the founder of Christianity. His birth is claimed as December 25th ... yet the facts if such a man lived points to July to August 4 years later. No one can produce the hill on where he died .. the hill at Calvary is just used like many more statements to fill the missing links,none of which uphold the church claims. That is why we keep demanding the TRUTH from the church .. and the church goes on, taking no notice .. that in itself is enough to tell me that they cannot supply the TRUTH..because it never existed..therefore, there is no way out for them.. so by ignoring the request for the TRUTH .. they hope the matter will just fade away and be forgotten.

I am not concerned about if its a lie or not ... what I am concerned about is the right of every one, including children,that they are not forced to believe it,or forced to attend church against their will. They should be FREE to decide for themselves.. and those who allow a child to die when it can be saved.. should be charged with murder and sent for a long term imprisonment,or better still executed..they if released,should be sterilised before they can repeat such acts .. again.

You are not forced by me to believe the statements that I make .. you are ABSOLUTELY FREE to accept or reject. As NATURE STATES you have just 2 choices..and that choice is yours .. you and you alone makes your own future better or worst..not John Searl..YOU.

When you look in a MIRROR you do not see your own self..that is where you are wrong ... what you see is the negative half of the square,dear writer,dear writer..so first get your facts right before sending me a stupid letter. What the mirror shows is a mirror image to complete the LAW OF THE SQUARE.

Now ANTI-GRAVITY ...note the so call expert formula... in another issue,I shall repeat it and tell what it states and the stupidity of it...Now for feedback...if you can see what is stupid about it..please write me,your letters will be included in the first available book and we shall see if you spot the points which are stupid.

No Government in the world has a fully anti-gravity device even at this time of writing. They have Mag-Lev and NASA has a gyroscopic device but it can only reach a height of 4 inches..PLEASE NOTE NASA if I have over expostulated please see fit to write me and confirm its height and I will enter it in the next available book,so that we can have the exact FACTS,not that it matters if I have given you credit for a height greater than that which you have achieved to date.

Maybe the writer of this anonymous letter could kindly produce the ABSOLUTE PROOF of their claims so we all can be just as intelligent as them..after all..what is the purpose of these books ... but to tell all people the TRUTH. I do sincerely apologise for my lack of intelligence and ignorance in relationship to their great wealth of knowledge. We all would like to share in that knowledge,but at the same time ,upon bending^{know} I begged you NOT TO USE MY NAME IN STATEMENTS,CONTRARY TO WHAT I HAVE STATED . I make it clear that at no time have I by mouth or print declared that I know everything ... I do not, is what I have always stated and will do until I leave this earth. THERE IS NO ONE ON THIS PLANET THAT KNOWS EVERYTHING, NO ONE, and I am the first to admit it. What I do is to inform all about my knowledge gained over the time that I have been upon this planet, and from this knowledge gained .. what I accept to be the TRUTH. So that FEEDBACK from others can take place upon their knowledge gained ..and what they accept to be the TRUTH. From this FEEDBACK I can get a better overall picture of the real TRUTH.

TRUTH will be discussed in another book.

The overall view of this anonymous letter is that it shows a very sick mind, a person with a highly negative out look, this seems to be in agreement with all who have read it. To this I will add, that a person of this nature have attendancy to collect and store only anti class mail which refers to the person in question with the objection of posting to those know to be associated with that person... a negative form of blackmail. Of cause the person can get away with it until the person being accused can prove that he has lost money through that mailing, then he can sue for that loss.

I do warn this class of person that I am about to go ahead with STARSHIP EZEKIEL PHASE 2, this project will shake the world, even at government levels ... and if it comes to past, that some one states that they would had backed this work sooner, but that they had received a letter to the contrary, then I will sue the person concern with the sending of that letter.

When I refused Dr. George White's offer on legal grounds and advice of Scotland Yard, the REV. George Nicholson did send out some anti-mail in the effort to make me accept White's offer, He only stopped his anti-campaign after he rushed to me with urgent telegram from Dr. White, I showed him the same telegram I received 2 years earlier to him. Then he was shocked into the TRUTH and discontinued his anti-campaign and returned to helping me..but as Scotland yard stated to me, in reference to this blackmail - I have to prove that I have lost funds, and that could not be proved at that time, so I had to accept things and let the future speak for itself. You may ask why on earth, I accepted him back ? Well , he had paid for much of the laboratory equipment being used by me, so I felt tied to him. The media kept warning me about him, that he is a very anti class of person and will change sides without warning... and could damage your efforts .. all I could say..what can I do ... but let things continue as they are.

When Rev. Nicholson was on my side, which was more often then not, he was a great listener, and quickly excited by how nature function and how we relate to nature. He was always interested in the work of research and study involved within this work. He travelled to many company meetings to witness how and what I did there. Because of his age the bosses of companies offered him drink and a seat while I got on with the task in hand.

He wrote a number of articles upon my work without my knowledge and of his own free will. The first I knew about any article is when people wrote me upon it. So ask yourself a very simple question WHY DID THIS MAN PAID OUT SO MUCH MONEY UPON EQUIPMENT, and wrote these articles and paid over £4,000 towards the cost of printing one of my special reports. He wrote many top men in England and top Government officials and the Queen in the effort to raise funds for me. He was helping my family after everything was destroyed. It explains itself..he must had been very sore about something...something which he was demanding from me, and I would not surrender to him. It was for the same exact reasons that William Sherwood stop helping me, because I would not accept Dr. White's offer..there was no offer..just greed.

The TRUTH often takes time to come to light, but one thing is certain ... it will come to light.

The wind is changing for me, as I always knew it would..now its only time for the TRUTH to appear ...

Now about this anonymous letter .. the person who has written this wants to be my right hand man in the coming project ... would you welcome that person as your second in command ? Of cause your answer is NO. That's right..in a massive project or undertaking as this..the last thing you want around is a highly negative person, when you need every ounce of positive action to win success. For only a positive state can win such a massive undertaking. Positive state is the working state.

Now I will proceed with the square law...

In my dream 1, we are told that the squares must be worked out in a precise mathematical order, and it defines that order.

FIRST ... all nature belongs to one of 3 groups.

SECOND... There are only 2 prime states through these groups.

THIRD... That each square in itself, consist of building blocks of squares.

Now the 18 squares shown in Book 1, do they conform to this mathematical requirement ?

The answer is NO.

How come ?

You see the larger the square the more are your options on working it out to obtain the same line value results...all the squares shown in Book 1 are ALL value correct...but out of the 18 shown only 5 of them fail this mathematical requirements. Their numbers are 12, 16, 18, 19 and 20.

The aim of this was to prove that you can produce different arrangements to meet the first condition of line value and the sum value.

So, what is this mathematical requirement ?

There are 2 states :

(a).... focal point (just one square forming first square)

(b).... Square Block (4 squares making the first square)

4 is the maximum code used by nature in animal requirements

1 is the code for all non-animal states

All data within this book relates to the data of Book 1.

I will deal with group 1. first, as group 2 and 3 follows the other condition.

SQS	3	5	7	9	11	13	15
01	level + 3	level + 11	level + 23	level + 39	level + 59	level + 83	level + 111
02	$\ell \times 8$	$\ell \times 8$	$\ell \times 8$	$\ell \times 8$	$\ell \times 8$	$\ell \times 8$	$\ell \times 8$
03	*	$\ell \times 16$	$\ell \times 16$	$\ell \times 16$	$\ell \times 16$	$\ell \times 16$	$\ell \times 16$
04	*	*	$\ell \times 24$	$\ell \times 24$	$\ell \times 24$	$\ell \times 24$	$\ell \times 24$
05	*	*	*	$\ell \times 32$	$\ell \times 32$	$\ell \times 32$	$\ell \times 32$
06	*	*	*	*	$\ell \times 40$	$\ell \times 40$	$\ell \times 40$
07	*	*	*	*	*	$\ell \times 48$	$\ell \times 48$
08	*	*	*	*	*	*	$\ell \times 56$

I have to re-start from 15 to complete the group 1 squares.

SQS	15	17	19
01	level + 111	level + 143	level + 179
02	$\ell \times 8$	$\ell \times 8$	$\ell \times 8$
03	$\ell \times 16$	$\ell \times 16$	$\ell \times 16$
04	$\ell \times 24$	$\ell \times 24$	$\ell \times 24$
05	$\ell \times 32$	$\ell \times 32$	$\ell \times 32$
06	$\ell \times 40$	$\ell \times 40$	$\ell \times 40$
07	$\ell \times 48$	$\ell \times 48$	$\ell \times 48$
08	$\ell \times 56$	$\ell \times 56$	$\ell \times 56$
09	*	$\ell \times 64$	$\ell \times 64$
10	*	*	$\ell \times 72$

Dream 1 states that in the first condition the increase code is 8.

In book 1 you see from square 3 to square 20, here are the group 1 set. they all operate on a code of 8, I can predict with certain assurance that no matter how large the squares go the squares which form them will remain to this code.

The prime square is the domain...its first level which is not used in nature construction is in fact used as that domain's rest and reference frame it is defined by a code which is shown as its first inmost square value, from which all products produce takes its commands from.

This value separates square domains from each other and very efficient it is, as you will see in later tables within this book.

So in the first book you have 9 group one domains under test. If this table could have been presented as just one unit you would see again that it forms a triangle to the right being positive. All data so far shown is 100% correct to the dream 1 statement.

So only square 19 of the group 1. have to be corrected to meet above requirement, this we shall do, after I have completed this table for Book 1.

Gunnar stated that I had no formal education .. who wants it if dreams can give you so much more information than you learn at school, data that even Gunnar with all his school education cannot do to save his own skin.

TRUTH is a powerful tool...many people do not like it...and they have good reasons to hate it.

Man claims that he invented mathematics as a tool and its negative...how wrong he is..nature invented the mathematics for its own construction work long before man was even considered, and was defined before the universe could be created. Man only betters nature mainly by shear force. But nature too can use shear force if it needs too..far greater than man can do.

The dream states that the second requirement will operate over both group 2 and group 3.

I shall separate group 2's from group 3's as space will not allow both to be shown at one go.

SQ	4	8	12	16	20		6	10	14	18		
01	REFER TO NOTE						REFER TO NOTE					01
02	# x 3	# x 3	# x 3	# x 3	# x 3	.....	# x 3	# x 3	# x 3	# x 3	02
03	*	# x 5	# x 5	# x 5	# x 5	.....	# x 5	# x 5	# x 5	# x 5	03
04	*	# x 7	# x 7	# x 7	# x 7	.....	*	# x 7	# x 7	# x 7	04
05	*	*	# x 9	# x 9	# x 9	.....	*	# x 9	# x 9	# x 9	05
06	*	*	# x 11	# x 11	# x 11	.....	*	*	# x 11	# x 11	06
07	*	*	*	# x 13	# x 13	.....	*	*	# x 13	# x 13	07
08	*	*	*	# x 15	# x 15	.....	*	*	*	# x 15	08
09	*	*	*	*	# x 17	.....	*	*	*	# x 17	09
10	*	*	*	*	# x 20	.....	*	*	*	*	10

GROUP 2's

GROUP 3's

So in book 1, we have only 5 group 2 domains and only 4 group 3 domains.

They too form triangles with the positive side to the right.

Both group 2 and group 3 follows the mathematical condition defined in my dream .. they step by 2.

No matter how large the domains go, or how high the time frame goes this law will remain solid, because it is the LAW OF NATURE.

You may still not appreciate this simple statement, so I will correct the squares that fails this rule and then explain those squares step by step. Please note that square 19 is correct. So there is only 4 to correct. So I shall start correcting square no.12.

14	132	25	119	96	50	73	71	48	98	11	133
143	1	108	38	61	83	60	86	109	35	122	24
3	141	40	106	59	85	88	58	33	111	136	10
130	16	117	27	74	72	69	75	100	46	21	123
18	128	29	115	66	80	55	89	44	102	7	137
139	5	104	42	91	53	78	68	113	31	126	20
125	19	114	32	77	67	92	54	103	41	140	6
8	138	43	101	56	90	65	79	30	116	17	127
22	124	99	45	70	76	51	93	118	28	129	15
135	9	34	112	87	57	82	64	39	105	4	142
121	23	110	36	81	63	62	84	107	37	144	2
12	134	47	97	52	94	95	49	26	120	13	131

SQUARE = 12

LEVEL = 2

GROUP = 2

VALUE = 870

SUM = 10440

OPTIONS = 26

TOTAL SQUARES TO FILL = 144

CODE STEP = 2

BUILDING BLOCK = 6

= square 1 = centre

Level 2 of all squares is the base value.

LEVEL 1 = ABSOLUTE VALUE.

SQUARE 1 = 290
SQUARE 2 = 870 (290 x 3)
SQUARE 3 = 1450 (290 x 5)
SQUARE 4 = 2030 (290 x 7)
SQUARE 5 = 2610 (290 x 9)
SQUARE 6 = 3190 (290 x 11)

Now square 12 meets the second condition of the mathematical rule.

As you can see that it is formed from 6 different squares. Each having a precise value.

Its first *LEVEL* is not used by nature in its building program, likewise I do not use it in my work.

NOTE....as both group 2 and group 3 has a kernel or nucleus instead of a focal point. Upon the first look one takes it as just a block of four squares...I can forgive you for jumping to that conclusion. you see the problem with people who are scientific minded, plus those who think they are, is that they see something, or hear something, they right away fit their knowledge to it and state they know that..doctors have the same habit, results they miss something which should had been noted.

If you think, or more precise, you know that the centre of these consist of 4 squares only...then I have no need to worry about you as capable person, to copy my work...as time has shown, such people have failed to produce the S.E.G., and the answer is very simple indeed, why they failed..answer, they knew it all.

Dream 1. states that when you are looking at a square, you are looking at 2 frames no matter what square you are looking at. That squares are made from squares. But the dream states more then that. It states that these 2 frames are right angle to each other and held apart by 2 cross beams. So there are 2 prime states and a secondonary state. So 3 conditions are present in a square.

Before going any further lets us look at what I am stating :-

2	50
53	1

What we have is 2 values in 2 different verticle columns. plus 2 different values in 2 different horizontal rows.

There are 2 different states present :-

- (a) ... VERTICLE (left plus right) $(2 + 53 \text{ left}) (50 + 1) = (55 \text{ left}) (51 \text{ right})$
- (b) ... HORIZONTAL (top plus bottom) $(2 + 50 \text{ top}) (53 + 1 \text{ bottom}) (52 \text{ top}) (54 \text{ bottom})$
- (c) ... DIAGONAL (left top to right bottom) (right top to left bottom) $(2 + 1) (50 + 53) (3) (103)$

Now when you were conceived if nature had got its kernel set up wrong like above..you would had been born with defects present. So that kernel must be absolutely correct mathematically. So lets look at our square 1 the kernel of square 12.

Bear in mind that the conservation of energy must hold TRUE. lets go...

66	78	=	144
67	79	=	146

difference = 2 This is the natural kernal of nature, looking at the horizontal field, = a lifting force of 2.

66	67	=	133
78	79	=	157

left hand difference = 24 This is looking at the verticle field we have a pushing force of 24.
right hand

We have now loked at the two prime fields..what about the energy conservation field which must be maintained.

66	79	=	145
78	67	=	145

Left top to right bottom energy conservation is conserved..it is balanced there is no
Right top to left bottom loss or gains thus this kernal is in harmony.

Now the dream states that we will have a value of 2 as the lifting force..that is what we get and that the pushing or pulling force will equal the last value of the second column of the uniform square, if you look at square 12 in book.1. you see that it holds TRUE. That is what we get, thus it holds TRUE.

But the dream states that if we apply the mathematic conditions to these squares we have to take one of the diagonal line of the kernal and through transformation of each of the 2 squares with its partner in the second square. That we should use the group 2 class of squares. So 12 is a group 2 class. So let us carry out this transformation to obtain the second condition of the mathematical rule. What do we have ?

53	78	=	131
67	92	=	159

difference = 28 so our new kernal gives us a lifting force of 28, thats 14 times more
lifting force than that of the natural kernal. HORIZONTAL FRAME.

53	67	=	120
78	92	=	170

left hand difference = 50 so our new verticle kernal gives us a pushing/pulling force
right hand of 50. Thats just over twice the force of the natural kernal.

Now you most likely think that the energy frame is no longer conserved..thus the frame will fail.

All kernals have three frames :-

- (i)SPACE FRAME
- (ii)TIME FRAME
- (iii) ...ENERGY FRAME

In nature everything has to have a rest frame for its location and its existence..without such a frame they would be no order in the universe, There are 2 states in nature..order and disorder they exist side by side in all things, run operates from order to disorder while the other operates from disorder to order. That is from uniform to random, or random to uniform.

On the next page we shall see if the energy frame FAILS or holds TRUE....remember that all things have a rest frame..therefore, any kernal that you change must remain within that frame.

53	92	=	145
78	67	=	145

left top to right bottom difference = 0
right top to left bottom

Our new kernal energy field is conserved, thus it is in harmony. It is still the same frame. So it will perform the task as the natural kernal will,

only we have improved its output work load. That is precisely what dream 1, states it would do.

Looking at the natural kernal, and our new kernal, we see that they are the same in their operation. Their right hand verticle is more postive then their left hand verticle. Their horizontal lower is more positive than their upper horizontal. This is precisely what the dream states must be.

From this confirmation, I declare that both the S.E.G. and INVERSE-G-VEHICLE are within the possibility of reality. I will extend that statement further..any person with the correct and proper thinking, who can understand this LAW OF THE SQUARES can produce such products of nature ... I will even go further with this statement by saying, that my knowledge can confirm that materials for such technology exists upon this earth today. That there is no excuse, for such technology ^{NOT} to be developed.

As I have always stated, that within the law of nature there is two sides to everything, so when every thing is balance, then harmony exists. The problem is, that man always seeks the bad in man, and under this state, you will sure to find it. This represents the negative side of mankind. Why not try to seek the good in man, instead...because you will sure to find it...be more positive instead of negative..then and only then, will progress be achieved...surely, you intelligent people do not need an ignorant person to tell you that, but alas, where I sit, it seems that you do.

To me, it looks natural that if a building block conforms to a mathematical kernal and its energy frame is conserved, and that kernal contains 4 different forces conforming the requirements above, then if a similar piece of material is placed upon that material, it will experience a lifting force and a pushing/pulling force. For that is the LAW OF THE SQUARES.

My education is not good, agreed. I started at a infant school at Thorndon, where I leant absolutely nothing. Well that may be a little bit of a lie...I did learn what it was like to get your bum spanked by the teacher, which was much better then when my foster mother did it. Then I moved along to the secondary school at Eye, here I again learnt nothing, well except what the cane felt like, in the effort to teach me not to take bombs apart and make fireworks of them. I actually learnt more from what they were trying to tell me not to do, then what they were trying to tell to do. Then I continued my eductaion at Russell-Côtes Nautical school, where I learnt that all the things I had been taught was actually opposite. That the bum could be used for other things besides spanking. But I did get top marks for seamanship.

From there, I covered a range of work training from rewiring of electric motors to dispensing doctors prescription's, to medical training and nursing including the caring of old age women. Then onto electrical and electronic wiring and repairs, to the prototype wiring work for the atomic works and the wiring of the VICTOR BOMBERS MK.11 and V.C.10's as a private contractor. To the wiring of the first full transistorised computer, for the 4 large naval guns of NATO in Norway. I also covered the way to cut keys and fix locks to building I.V and radio sets, and the repairs of them. I also covered everything about mechanical engineering from operating to setting machines to produce the products from drawings, to inspection of such work and the plating and treatment of materials.

Within this 40 years of practical experience, I undertook home courses on electronics 1,2,3 and 4 with B.I.E.E. plus 2 years on site training in radio communications at Reading University and 2 crash courses at the Open University one of ROBOTICS FOR INDUSTRY and the other DIGITAL COMPUTERS FOR INDUSTRY.

I have undertaken a flying training course to a higher standard than is normally required for private flying. I have experimented across a range of structures which the scientific man reject as not possible, and proved them wrong. Those structures came from the LAW OF THE SQUARES.

So to date, the best that I could achieved was a mere honorary degree of PROFESSOR of MATHEMATICAL STRUCTURES OF CREATION AND ENERGY, its nothing much and not important..but at least it acknowledges my life's time work in the study of life and energy to research and development..making me the creator of a new TECHNOLOGY. The very first in this field of science. So I am sorry that I fail to meet your high standards of knowledge, but from my point of view, my knowledge serves all of my requirements to the full. I am please to state that I am learning something new every hour of my life.

Agreed, that my knowledge has not arrived from theory taught in schools. But it has been achieved by hard work in the practical field...at least I do have a very high practical experience which is worth its weight in gold. Something that one needs to support ones theory. This puts me in a far better position to present my thesis upon a natural prime mover. You people of theory have not been able to put forward any real theory for such a prime mover. Your own statements upon this matter is a disgrace to your education. You may be good at spelling, grammar and english, but you are no bloody good at witnessing demonstrations of something which fails to conform to your knowledge.

I may not belong to your ~~world~~ of force, to obtain results, and pollution, created through greed and distruction and hate. I belong to another world, which knows no hate, is not greedy, where all things in nature is appreciated and not destroyed.

In your world, you ^{ARE} causing nature to deteriorate and your square frame is now well and truly over loaded, and will soon collapse, for nature cannot forever continue to support your frame at the expense of other frames. Everything in nature has its rights, and man is taking away that right of other frames. Man's superior knowledge over all other creatures tends to make him greedy, with no care for other frames upon this earth, as long as he can make a quick buck, he don't care.

There is nothing wrong in superior knowledge, if applied sincerely and honestly to better all mankind, including all creatures and plant life upon this planet. But alas, this is not the case, far too often, man's knowledge destroyed vast number of frames of other life forms, purely for gain or a kick. It appears to me, that education creates the very opposite of its objectives .. instead of producing products, which can appreciate all of nature, it produces products for its distruction of nature ... the one thing that man forgot .. is what, I have been telling ^{him} since 1946 ... man will destroy himself, through his own greed. So man will for certain, reap the rewards he certainly deserves.

That covers the base of my education and training. What about my religious status ?. Well, is based upon actual facts..my foster mother was very religious and belted my bum daily, maybe she thought that was where the brains are kept. The only good thing that came out of it, was my bum could had won a prize for being so well developed and firm. For special, she made you take a hot bath for 15 minutes then made you stand up to have your bum changed from a smooth surface to a red hot mass of blisters until there was no more room for another blister. If this represents your God and christianity, then I do not want to know about it. instead, the following poem, which was written by Leigh Hunt who lived between 1784-1859, you may well know what I am going to write..but its the only poem that match my attitude to man.

About Ben Adhem (may his tribe increase !)
Awoke one night from a deep dream of peace,
And saw, within the moonlight in his room,
Making it rich, and like a lily in bloom,
An angel writing in a book of gold :-
Exceeding peace had made Ben Adhem bold,
And to the presence in the room he said,
'What writest thou ?' - The vision rais'd its head,
And with a look made of all sweet accord,
Answer'd, 'The names of those who love the Lord.'
'And is mine one ?' said Abou. 'Nay, not so,'
Replied the angel. Abou spoke more low,
But cheerly still; and said, 'I pray thee, then,
Write me as one that loves his fellow men.'
The angel wrote, and vanish'd. The next night
It came again with a great wakening light,
And show'd the names whom love of God had blest,
And lo ! Ben Adhem's name led all the rest.

This poem I heard only once in my life, as a very young child at the infant's school. Yet it stands out as the most TRUTHFUL statement that can represent my attitude to life.

You should need no translation as to what it says.

Many people attend church every time the door is open, but behind their own doors they are the opposite, as I have learnt from experience.

You are absolutely free to believe what you like in reference to the bible..but until you produce real facts to me, you do not attempt to force it upon me. Far too much around me, that makes religion, nothing more than a laughing stock. Forgive me for quoting the TRUTH.

Now you know all the base TRUTH about me.

We were discussing the NOTE on group 2's and Group 3's squares..both class has a centre square of 4 squares. The condition required for correct results for my technology are equally the same. So we must find how to get the figure..to achieve this we need to find that block so you know what section I'm working on, Thus,

A	B
C	D

A shall be top left vertical and left top Horizontal

C shall be the left vertical bottom and left bottom horizontal.

A must equal 64 plus the level being work. This is the base before transformation takes place.

B equals A plus the square being worked

C equals A plus 1

D equals B plus 1 So simple that a child can do it.

Each prime square of group 2 or 3 follows this system..only the code value for A differs. Next page I will give the codes for all the A's in group 2's and group 3's.

You have already been told how group 2, square one, has to transform, this applies to all group 2's.

As squares appear to follow a pattern we should be able to create tables of their data..so we try and see if we can to save too much typing.

BUILDING BLOCKS..squares are made of squares,which in themselves contain squares ...this table shows how many squares are involved in the building block plus how many squares each square contains.

SQ	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
01	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4
02	8	12	8	12	8	12	8	12	8	12	8	12	8	12	8	12	8	12
03	*	*	16	20	16	20	16	20	16	20	16	20	16	20	16	20	16	20
04	*	*	*	*	24	28	24	28	24	28	24	28	24	28	24	28	24	28
05	*	*	*	*	*	*	32	36	32	36	32	36	32	36	32	36	32	36
06	*	*	*	*	*	*	*	*	40	44	40	44	40	44	40	44	40	44
07	*	*	*	*	*	*	*	*	*	*	48	52	48	52	48	52	48	52
08	*	*	*	*	*	*	*	*	*	*	*	*	56	60	56	60	56	60
09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	64	68	64	68
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	72	76

That completes the table for book 1. NOTE..we have 2 bits of information for each square.

The left hand side column shows the number of squares that build the square concerned.

The value in the rows give the number of squares that form that square that builds the square in question.

Now things are much more simple to understand. NOTE..the triangle operation of nature again showing.

This data remains TRUE no matter how large the level of any square you may wish to do...these cannot change,for if they do,you no longer have a square.

Another FACT of TRUTH shows in this table,which my dream states....there is always 2 lines to form 1 line in nature...In book 1, we see this in the squares. Here too, we see that 2 squares operate together exactly as the dream states.

Within the S.E.G. electrons move in pairs , the poles move in pairs..what it appears to me is that one square operates at right angles to the other and is reduced in size..that odd squares operate inside of even squares. Therefore,for each structure must be separated by an odd square,likewise and prime mover must also be separated by an odd square. In the square differences table we see that there are 2 different states in the one direction and only one state in the opposite direction..so is that odd state the actual time frame ?

In the table above the values along the top are the actual squares of 3 to 20.

NOTE..the differences between one square and its next is 4. But the difference of each square forming the building block after the first square is 8. This gives us an overall difference of 12. How strange that is, for it takes 12 phases for a smooth operation of a linear motor, it takes 12 different rules to work out energy problems and it takes 12 rollers to run smoothy along and around a bar class S.E.G. and 12 is the lowest line value available in the LAW OF THE SQUARES..there are 12 main Tectonic plates upon which the earth rides.What more could I say at this time of writing.

Facts contained in BOOK 1..we show 18 different squares from which it covers 8275 different squares of cause those details allow you to cover millions of them...I am only stating whats actually in that book. The size of the rest frame for just that 8275 squares is 21335161,this is the total size of the frame of book.1.,in which we are working at this time. Looking at the table above we see again how TRUE the dream was about the differences in nature operations.

From the square 2 of the building block,there are the 4 corners,how do they behave in value per square, that is,what is their value per square.?

What is the value of each square within that building block ?

These values will change with each level of that main square..so I shall give value of level 1 only, then you add the difference as above,for different levels.

The following table gives the value for A.

Add the value under the square to the level being worked.

SQ	4	6	8	10	12	14	16	18	20
01	4	13	26	43	64	89	118	151	188

As the squares themselves are made up of squares, which are in turn made up of squares..so there are 3 conditions, this is what the dream 1, states.

Therefore, each square from 02 must have some reference value. As this reference will be different with each level...and because it is a square it must have a reference value which holds TRUE through the whole of nature..therefore a table can be produced which will hold TRUE.

TABLE for the corner values of each square used as a building block.

SQ	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
02	16	30	48	70	96	126	160	198	240	286	336	390	448	510	576	646	720	798
03	*	*	48	70	96	126	160	198	240	286	336	390	448	510	576	646	720	798
04	*	*	*	*	96	126	160	198	240	286	336	390	448	510	576	646	720	798
05	*	*	*	*	*	*	160	198	240	286	336	390	448	510	576	646	720	798
06	*	*	*	*	*	*	*	*	240	286	336	390	448	510	576	646	720	798
07	*	*	*	*	*	*	*	*	*	*	336	390	448	510	576	646	720	798
08	*	*	*	*	*	*	*	*	*	*	*	*	448	510	576	646	720	798
09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	576	646	720	798
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	720	798

This table is another fingerprint of the squares...it is these fingerprints which define the squares as a individual component.

No matter which square you take you just add 4 to the key number shown for the building block square for each level which you raised that square. This table is level 1. Again, 4 is the key word.

As each vertical column increase by 4 on each move. The rows also change in value by 4.

The next table is our first square value for the building block of level 1.

SQ	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
01	4	30	12	70	24	126	40	198	60	286	84	390	112	510	144	646	180	798

The 4 corners are linked by 4 links..4 links are a very common methode used in industry.

Now the values of the building block of the squares in Book 1.

SQ	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
01	5	34	13	74	25	130	41	202	61	290	85	394	113	514	145	650	181	802
02	40	102	104	222	200	390	328	606	488	870	680	1182	904	1542	1160	1950	1448	2406
03	*	*	208	370	400	650	656	1010	976	1450	1360	1970	1808	2570	2320	3250	2896	4010
04	*	*	*	*	600	910	984	1414	1464	2030	2040	2758	2712	3598	3480	4550	4344	5614
05	*	*	*	*	*	*	1312	1818	1952	2610	2720	3546	3616	4626	4640	5850	5792	7218
06	*	*	*	*	*	*	*	*	2440	3190	3400	4334	4520	5654	5800	7150	7240	8822
07	*	*	*	*	*	*	*	*	*	*	4080	5122	5424	6682	6960	8450	8688	10426
08	*	*	*	*	*	*	*	*	*	*	*	*	6328	7710	8120	9750	10136	12030
09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9280	11050	11584	13634
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13032	15238

At last we are getting down to the basic TRUTH in reference to both Searl and his SEARL TECHNOLOGY.

As stated,so far to date you have no knowledge upon the space between these squares..but this table to cover book 1, contents is very large,so this will appear in the SUPPLEMENT 1B. Which will appear later. So I will end up with what I stated in Book 1,the sharing of space by the squares.

SPACE SHARED BY THE SQUARES.

TABLE 1. SQUARE 3 Not Sharing.

VALUE	LEVEL	SUM
12	1	36
15	2	45
18	3	54
21	4	63
24	5	72
27	6	81
33	8	99
36	9	108
39	10	117
45	12	135
48	13	144
51	14	153
57	16	171
63	18	189
69	20	207
72	21	216
81	24	243
84	25	252
87	26	261
93	28	279
96	29	288
99	30	297
108	33	324
132	41	396
144	45	432
156	49	468
192	61	576
204	65	612
216	69	648
228	73	684
264	85	792
288	93	864
312	101	936
384	125	1152
408	133	1224
456	149	1368
528	173	1584
552	181	1656
642	205	1926
696	229	2088
744	245	2232
768	253	2304
816	269	2448
888	293	2664
912	301	2736
984	325	2952
1032	341	3096
1104	265	3312
1128	373	3384
1272	421	3816
1392	461	4176
1416	469	4248

VALUE	LEVEL	SUM
1464	485	4392
1488	493	4464
1536	509	4608
1608	533	4824
1632	541	4896
1704	565	5112
1752	581	5256
1776	589	5328
1824	605	5472
1896	629	5688
1968	653	5904
1992	661	5976
2064	685	6192
2208	733	6624
2256	749	6768
2544	845	7632
2784	925	8352
2832	941	8496
2928	973	8784
2976	989	8928
3072	1021	9216
3216	1069	9648
3408	1133	10224
3504	1165	10512
3552	1181	10656
3792	1261	11376
3936	1309	11808
3984	1325	11952
4128	1373	12384
4272	1421	12816
4416	1469	13248
4512	1501	13536

There are 84 frames
which do not share in
BOOK.1.

The next two columns
belong to the square 4
We are just looking at
the data in book.1. To
try and get a much better
understanding of the
squares and how they
work. Even now the data
in this issue fails to
present the real space
between them. But does
show how squares will
share their space frame
with other domains.
Until we understand this
you will not understand

TABLE 2. SQUARE 4 Not Sharing.

VALUE	LEVEL	SUM
34	2	136
38	3	152
46	5	184
50	6	200
58	8	232
62	9	248
74	12	296
82	14	328
86	15	344
94	17	376
98	18	392
106	20	424
118	23	472
122	24	488
134	27	536
142	29	568
146	30	584
154	32	616
158	33	632
166	35	664
178	38	712
194	42	776
202	44	808
206	45	824
214	47	856
218	48	872
226	50	904
242	54	968
254	57	1016
262	59	1048
274	62	1096
278	63	1112
286	65	1144
298	68	1192
302	69	1208
314	72	1256
326	75	1304
334	77	1336
338	78	1352
346	80	1384
358	83	1432
362	84	1448
374	87	1496
382	89	1528
386	90	1544
394	92	1576
398	93	1592
418	98	1672
422	99	1688
442	104	1768
446	105	1784
454	107	1816

VALUE	LEVEL	SUM
458	108	1832
466	110	1864
478	113	1912
482	114	1928
494	117	1976
502	119	2008
506	120	2024
514	122	2056
526	125	2104
538	128	2152
542	129	2168
554	132	2216
562	134	2248
566	135	2264
578	138	2312
586	140	2344
598	143	2392
614	147	2456
622	149	2488
626	150	2504
634	152	2536
638	153	2552
646	155	2584
662	159	2648
674	162	2696
694	167	2776
698	168	2792
706	170	2824
718	173	2872
722	174	2888
734	177	2936
746	180	2984
754	182	3016
758	183	3032
766	185	3064
778	188	3112
782	189	3128
794	192	3176
802	194	3208
806	195	3224
818	198	3272
838	203	3352
842	204	3368
862	209	3448
866	210	3464
874	212	3496
878	213	3512
886	215	3544
898	218	3592
914	222	3656
922	224	3688
926	225	3704

SPACE SHARING BY THE SQUARES

SQUARE 4 Not Sharing continue

VALUE	LEVEL	SUM
934	227	3736
958	233	3832
962	234	3848
974	237	3896
982	239	3928
986	240	3944
998	243	3992
1006	245	4024
1018	248	4072
1042	254	4168
1046	255	4184
1054	257	4216
1058	258	4232
1066	260	4264
1082	264	4328
1094	267	4376
1102	269	4408
1114	272	4456
1126	275	4504
1138	278	4552
1142	279	4568
1154	282	4616
1174	287	4696
1178	288	4712
1186	290	4744
1198	293	4792
1202	294	4808
1214	297	4856
1226	300	4904
1234	302	4936
1238	303	4952
1258	308	5032
1262	309	5048
1282	314	5128
1286	315	5144
1294	317	5176
1306	320	5224
1318	323	5272
1322	324	5288
1334	327	5336
1346	330	5384
1354	332	5416
1366	335	5464
1382	339	5528
1394	342	5576
1402	344	5608
1406	345	5624
1418	348	5672
1426	350	5704
1438	353	5752
1454	357	5816
1462	359	5848
1466	360	5864
1478	363	5912
1486	365	5944
1502	369	6008
1514	372	6056

VALUE	LEVEL	SUM
1522	374	6088
1538	378	6152
1546	380	6184
1558	383	6232
1574	387	6296
1594	392	6376
1598	393	6392
1618	398	6472
1622	399	6488
1634	402	6536
1642	404	6568
1646	405	6584
1654	407	6616
1658	408	6632
1678	413	6712
1682	414	6728
1702	419	6808
1706	420	6824
1714	422	6856
1718	423	6872
1726	425	6904
1754	432	7016
1762	434	7048
1766	435	7064
1774	437	7096
1786	440	7144
1798	443	7192
1802	444	7208
1814	447	7256
1822	449	7288
1838	453	7352
1858	458	7432
1874	462	7496
1882	464	7528
1886	465	7544
1894	467	7576
1906	470	7624
1922	474	7688
1934	477	7736
1942	479	7768
1954	482	7816
1966	485	7864
1978	488	7912
1982	489	7928
1994	492	7976
2006	495	8024
2014	497	8056
2018	498	8072
2026	500	8104
2038	503	8152
2042	504	8168
2062	509	8248
2066	510	8264
2074	512	8296
2078	513	8312
2098	518	8392
2102	519	8408

VALUE	LEVEL	SUM
2122	524	8488
2126	525	8504
2138	528	8552
2146	530	8584
2162	534	8648
2174	537	8696
2182	539	8728
2186	540	8744
2194	542	8776
2206	545	8824
2218	548	8872
2234	552	8936
2242	554	8968
2246	555	8984
2258	558	9032
2278	563	9112
2294	567	9176
2302	569	9208
2306	570	9224
2318	573	9272
2326	575	9304
2342	579	9368
2362	584	9448
2374	587	9496
2378	588	9512
2386	590	9544
2402	594	9608
2414	597	9656
2426	600	9704
2434	602	9736
2438	603	9752
2446	605	9784
2458	608	9832
2462	609	9848
2474	612	9896
2494	617	9976
2498	618	9992
2518	623	10072
2542	629	10168
2546	630	10184
2554	632	10216
2558	633	10232
2566	635	10264
2578	638	10312
2582	639	10328
2594	642	10376
2602	644	10408
2606	645	10424
2614	647	10456
2638	653	10552
2642	654	10568
2654	657	10616
2666	660	10664
2698	668	10792
2714	672	10856
2722	674	10888
2726	675	10904

VALUE	LEVEL	SUM
2734	677	10936
2738	678	10952
2746	680	10984
2762	684	11048
2774	687	11096
2798	693	11192
2806	695	11224
2818	698	11272
2846	705	11384
2854	707	11416
2858	708	11432
2866	710	11464
2878	713	11512
2894	717	11576
2902	719	11608
2906	720	11624
2914	722	11656
2918	723	11672
2942	729	11768
2962	734	11848
2966	735	11864
2974	737	11896
2978	738	11912
2986	740	11944
2998	743	11992
3002	744	12008
3022	749	12088
3034	752	12136
3046	755	12184
3062	759	12248
3074	762	12296
3082	764	12328
3086	765	12344
3098	768	12392
3106	770	12424
3118	773	12472
3134	777	12536
3142	779	12568
3154	782	12616
3158	783	12632
3166	785	12664
3182	789	12728
3194	792	12776
3202	794	12808
3214	797	12856
3218	798	12872
3226	800	12904
3238	803	12952
3242	804	12968
3254	807	13016
3266	810	13064
3274	812	13096
3286	815	13144
3314	822	13256
3326	825	13304
3334	827	13336
3338	828	13352

SPACE. SHARING BY THE SQUARES...

SQUARE 4 Not Sharing...continue...

Thus table 2 has 441 units of 4 squares not sharing.

TABLE 3. SQUARE 5 Not Sharing.

VALUE	LEVEL	SUM
3358	833	13432
3362	834	13448
3382	839	13528
3386	840	13544
3394	842	13576
3398	843	13592
3418	848	13672
3422	849	13688
3442	854	13768
3446	855	13784
3466	860	13864
3478	863	13912
3482	864	13928
3494	867	13976
3506	870	14024
3518	873	14072
3526	875	14104
3538	878	14152
3554	882	14216
3566	885	14264
3574	887	14296
3578	888	14312
3602	894	14408
3622	899	14488
3634	902	14536
3646	905	14584
3658	908	14632
3662	909	14648
3694	917	14776
3698	918	14792
3722	924	14888
3734	927	14936
3742	929	14968
3746	930	14984
3754	932	15016
3758	933	15032
3778	938	15112
3782	939	15128
3802	944	15208
3814	947	15256
3818	948	15272
3826	950	15304
3854	957	15416
3862	959	15448
3866	960	15464
3886	965	15544
3898	968	15592
3902	969	15608
3922	974	15688
3946	980	15784
3958	983	15832
3974	987	15896
3986	990	15944
3994	992	15976
3998	993	15992

VALUE	LEVEL	SUM
4006	995	16024
4022	999	16088
4034	1002	16136
4042	1004	16168
4054	1007	16216
4058	1008	16232
4078	1013	16312
4094	1017	16376
4106	1020	16424
4118	1023	16472
4126	1025	16504
4138	1028	16552
4154	1032	16616
4162	1034	16648
4166	1035	16664
4174	1037	16696
4178	1038	16712
4198	1043	16792
4222	1049	16888
4226	1050	16904
4234	1052	16936
4258	1058	17032
4262	1059	17048
4274	1062	17096
4282	1064	17128
4286	1065	17144
4306	1070	17224
4322	1074	17288
4346	1080	17384
4358	1083	17432
4366	1085	17464
4402	1094	17608
4406	1095	17624
4414	1097	17656
4418	1098	17672
4426	1100	17704
4442	1104	17768
4462	1109	17848
4474	1112	17896
4478	1113	17912
4486	1115	17944
4502	1119	18008
4514	1122	18056
4526	1125	18104
4534	1127	18136
4538	1128	18152
4546	1130	18184
4558	1133	18232
4562	1134	18248
4574	1137	18296
4582	1139	18328
4586	1140	18344
4594	1142	18376
4618	1148	18472

VALUE	LEVEL	SUM
65	2	325
80	5	400
85	6	425
95	8	475
100	9	500
115	12	575
125	14	625
140	17	700
145	18	725
155	20	775
160	21	800
185	26	925
200	29	1000
205	30	1025
215	32	1075
220	33	1100
235	36	1175
265	42	1325
275	44	1375
295	48	1475
305	50	1525
320	53	1600
325	54	1625
335	56	1675
355	60	1775
365	62	1825
395	68	1975
400	69	2000
415	72	2075
425	74	2125
440	77	2200
445	78	2225
475	84	2375
485	86	2425
520	93	2600
640	117	3200
680	125	3400
760	141	3800
800	149	4000
920	173	4600
1000	189	5000
1040	197	5200
1160	221	5800
1240	237	6200
1280	245	6400
1360	261	6800
1480	285	7400
1520	293	7600
1600	309	8000
1640	317	8200
1720	333	8600
1840	357	9200

VALUE	LEVEL	SUM
1880	365	9400
2000	389	10000
2320	453	11600
2480	485	12400
2560	501	12800
2960	581	14800
3040	597	15200
3200	629	16000
3280	645	16400
3440	677	17200
3680	725	18400
3760	741	18800
4000	789	20000
4240	837	21200

There are 66 units in book 1 of 5 which do not share.

There are no square 6 which will not share with another square. Thus no table for it.

TABLE 4.

SQUARE 7 Not Sharing.

VALUE	LEVEL	SUM
196	5	980
203	6	1015
217	8	1085
224	9	1120
259	14	1295
287	18	1435
301	20	1505
329	24	1645
343	26	1715
371	30	1855
392	33	1960
413	36	2155
427	38	2135
448	41	2240
469	44	2345
497	48	2485
511	50	2555
539	54	2695
553	56	2765
581	60	2905
616	65	3080
623	66	3115
637	68	3185
679	74	3395

SPACE SHARING BY THE SQUARES.

TABLE 4. SQUARE 7 Not Sharing..continue.

VALUE	LEVEL	SUM
707	78	3535
721	80	3605
728	81	3640
749	84	3745
763	86	3815
784	89	3920
791	90	3955
833	96	4165
889	104	4445
896	105	4480
917	108	4585
931	110	4655
952	113	4760
959	114	4795
973	116	4865
1043	126	5215
1057	128	5285
1064	129	5320
1099	134	5495
1127	138	5635
1141	140	5705
1169	144	5845
1211	150	6055
1253	156	6265
1267	158	6335
1288	161	6440
1337	168	6685
1351	170	6755
1568	201	7840
1624	209	8120
1736	225	8680
1792	233	8960
1904	249	9520
2128	281	10640
2576	345	12880
3136	425	15680
3248	441	16240
3472	473	17360
3584	489	17920
4144	569	20720
4592	633	22960

There are 65 units of Square 7 which do not share, in book 1.

So far square 4 is the leader of independence status, but can it hold that lead through book 1, we shall find out.

The next table cover the square 8.

TABLE 5 SQUARE 8 Not Sharing

VALUE	LEVEL	SUM
268	3	2144
284	5	2272
292	6	2336
316	9	2528
332	11	2656
356	14	2848
388	18	3104
404	20	3232
412	21	3296
428	23	3424
436	24	3488
452	26	3616
484	30	3872
508	33	4064
524	35	4192
548	38	4384
556	39	4448
572	41	4576
596	44	4768
604	45	4832
628	48	5024
652	51	5216
668	53	5344
676	54	5408
692	56	5536
716	59	5728
724	60	5792
764	65	6112
772	66	6176
788	68	6304
796	69	6368
844	75	6752
884	80	7072
892	81	7136
908	83	7264
916	84	7328
932	86	7456
956	89	7648
964	90	7712
988	93	7904
1004	95	8032
1028	98	8224
1052	101	8416
1076	104	8608
1084	105	8672
1108	108	8864
1124	110	8992
1132	111	9056
1156	114	9248
1172	116	9376
1228	123	9824
1244	125	9952
1252	126	10016

VALUE	LEVEL	SUM
1268	128	10144
1292	131	10336
1324	135	10592
1348	138	10784
1388	143	11104
1396	144	11168
1412	146	11296
1436	149	11488
1444	150	11552
1468	153	11744
1492	156	11936
1516	159	12128
1532	161	12256
1556	164	12448
1564	165	12512
1588	168	12704
1604	170	12832
1636	174	13088
1676	179	13408
1684	180	13472
1724	185	13792
1732	186	13856
1748	188	13984
1756	189	14048
1772	191	14176
1796	194	14368
1828	198	14624
1844	200	14752
1852	201	14816
1868	203	14944
1916	209	15328
1948	213	15584
1964	215	15712
1972	216	15776
1996	219	15968
2012	221	16096
2036	224	16288
2084	230	16672
2092	231	16736
2108	233	16864
2116	234	16928
2164	240	17312
2188	243	17504
2204	245	17632
2228	248	17824
2252	251	18016
2276	254	18208
2284	255	18272
2308	258	18464
2348	263	18784
2356	264	18848
2372	266	18976
2396	269	19168
2404	270	19232

VALUE	LEVEL	SUM
2428	273	19424
2452	276	19616
2468	278	19744
2476	279	19808
2524	285	20192
2564	290	20512
2572	291	20576
2588	293	20704
2612	296	20896
2636	299	21088
2644	300	21152
2668	303	21344
2692	306	21536
2708	308	21664
2732	311	21856
2764	315	22112
2804	320	22432
2812	321	22496
2836	324	22688
2852	326	22816
2876	329	23008
2908	333	23264
2932	336	23456
2956	339	23648
2972	341	23776
3004	345	24032
3028	348	24224
3044	350	24352
3076	354	24608
3092	356	24736
3116	359	24928
3148	363	25184
3188	368	25504
3236	374	25888
3244	375	25952
3268	378	26144
3284	380	26272
3292	381	26336
3308	383	26464
3316	384	26528
3356	389	26848
3364	390	26912
3404	395	27232
3412	396	27296
3428	398	27424
3436	399	27488
3452	401	27616
3508	408	28064
3524	410	28192
3532	411	28256
3548	413	28384
3596	419	28768
3628	423	29024
3644	425	29152
3676	429	29408
3716	434	29728
3748	438	29984
3764	440	30112

SPACE SHARING BY THE SQUARES.

TABLE 5. SQUARE 8 Not Sharing..continue...

VALUE	LEVEL	SUM
3772	441	30176
3788	443	30304
3812	446	30496
3844	450	30752
3868	453	30944
3884	455	31072
3908	458	31264
3932	461	31456
3956	464	31648
3964	465	31712
3988	468	31904
4036	474	32288
4052	476	32416
4076	479	32608
4084	480	32672
4124	485	32992
4132	486	33056
4156	489	33248
4196	494	33568
4204	495	33632
4244	500	33952
4252	501	34016
4276	504	34208
4292	506	34336
4324	510	34592
4348	513	34784
4364	515	34912
4372	516	34976
4388	518	35104
4412	521	35296
4436	524	35488
4468	528	35744
4492	531	35936
4516	534	36128
4588	543	36704
4604	545	36832
4612	546	36896

There are 202 units in square 8 within book 1.

There are no square 9, which does not share with another square.

There is no square 10, which does not share with another square.

The next square that will not share some of its space is 11.

Thus a very large gap, within the squares of book 1.

TABLE 6. SQUARE 11 Not Sharing

VALUE	LEVEL	SUM
671	2	7381
704	5	7744
737	8	8107
781	12	8591
803	14	8833
869	20	9559
913	24	10043
968	29	10648
979	30	10769
1067	38	11737
1111	42	12221
1133	44	12463
1177	48	12947
1199	50	13189
1243	54	13673
1331	62	14641
1397	68	15367
1408	69	15488
1441	72	15851
1496	77	16456
1507	78	16577
1529	80	16819
1639	90	18029
1661	92	18271
1672	93	18392
1727	98	18997
1793	104	19723
1837	108	20207
1903	114	20933
1936	117	21296
1969	120	21659
1991	122	21901
2024	125	22264
2057	128	22627
2101	132	23111
2123	134	23353
2167	138	23837
2189	140	24079
2299	150	25289
2321	152	25531
2453	164	26983
2497	168	27467
2519	170	27709
2563	174	28193
2629	180	28919
2651	182	29161
2761	192	30371
2783	194	30613
2816	197	30976
2827	198	31097
2893	204	31823
2959	210	32549
2981	212	32791

VALUE	LEVEL	SUM
3047	218	33517
3091	222	34001
3113	224	34243
3223	234	35453
3344	245	36784
3377	248	37147
3421	252	37631
3443	254	37873
3487	258	38357
3509	260	38599
3641	272	40051
3707	278	40777
3751	282	41261
3817	288	41987
3839	290	42229
3872	293	42592
3883	294	42713
3949	300	43439
4037	308	44407
4048	309	44528
4103	314	45133
4169	320	45859
4213	324	46343
4279	330	47069
4367	338	48037
4411	342	48521
4477	348	49247
4499	350	49489
4609	360	50699

There are 82 units of square 11 which will not share with any other square in Book 1.

There are no square 12 which will not share with any other square in book 1.

TABLE 7. SQUARE 13 Not Sharing.

VALUE	LEVEL	SUM
1157	6	15041
1261	14	16393
1313	18	17069
1339	20	17407
1352	21	17576
1391	24	18083
1417	26	18421
1469	30	19097
1651	44	21463
1664	45	21632
1703	48	22139
1768	53	22984
1781	54	23153
1807	56	23491
1937	66	25181
1963	68	25519
1976	69	25688
2041	74	26533
2119	80	27547
2171	84	28223
2197	86	28561
2249	90	29237
2327	96	30251
2353	98	30589
2483	108	32279
2509	110	32617
2561	114	33293
2587	116	33631
2704	125	35152
2743	128	35659
2899	140	37687
2951	144	38363
2977	146	38701
3029	150	39377
3107	156	40391
3133	158	40729
3211	164	41743
3263	168	42419
3328	173	43264
3341	174	43433
3419	180	44447
3497	186	45461
3523	188	45799
3601	194	46813
3653	198	47489
3679	200	47827
3809	210	49517
3887	216	50531
3991	224	51883
4043	228	52559
4069	230	52897
4121	234	53573
4303	248	55939
4381	254	56953
4511	264	58643

SPACE SHARING BY THE SQUARES.

TABLE 7. SQUARE 13...

continue...

VALUE	LEVEL	SUM
4537	266	58981
4589	270	59657

There are 57 units of square 13 in book 1.

There are no square 14 which will not share with another square in book.1.

There are no square 15 which will not share with another square in book.1.

Table 8. SQUARE 16

Not Sharing.

VALUE	LEVEL	SUM
2056	2	32896
2104	5	33664
2152	8	34432
2168	9	34688
2216	12	35456
2248	14	35968
2264	15	36224
2312	18	36992
2344	20	37504
2456	27	39296
2488	29	39808
2504	30	40064
2536	32	40576
2648	39	42368
2696	42	43136
2776	47	44416
2792	48	44672
2824	50	45184
2872	53	45952
2888	54	46208
2936	57	46976
2984	60	47744
3032	63	48512
3064	65	49024
3112	68	49792
3176	72	50816
3208	74	51328
3272	78	52352
3352	83	53632
3368	84	53888
3448	89	55168
3464	90	55424

VALUE	LEVEL	SUM
3512	93	56192
3544	95	56704
3592	98	57472
3656	102	58496
3688	104	59008
3704	105	59264
3736	107	59776
3832	113	61312
3896	117	62336
3928	119	62848
3992	123	63872
4024	125	64384
4972	128	65152
4168	134	66688
4184	135	66944
4232	138	67712
4328	144	69248
4376	147	70016
4456	152	71296
4504	155	72064
4552	158	72832
4568	159	73088
4616	162	73856

There are 55 units of square 16 in book 1.

TABLE 9.SQUARE 17

Not Sharing

VALUE	LEVEL	SUM
2533	6	43061
2567	8	43639
2669	14	45373
2771	20	47107
2839	24	48263
2941	30	49997
3043	36	51731
3077	38	52309
3247	48	55199
3281	50	55777
3349	54	56933
3383	56	57511
3587	68	60979
3791	80	64447
3859	84	65603
3893	86	66181
3961	90	67337
4063	96	69071
4097	98	69649
4267	108	72539
4352	113	73984
4369	114	74273
4471	120	76007

VALUE	LEVEL	SUM
4573	126	77741
4607	128	78319

There are 25 units of Square 17 not sharing in book 1.

There are no square 18 that will not share with another square in book.1.

TABLE 10 SQUARE 19

Not Sharing

VALUE	LEVEL	SUM
3439	2	65341
3629	12	68951
3667	14	69673
3743	18	71117
3781	20	71839
4009	32	76171
4237	44	80503
4313	48	81947
4351	50	82669
4427	54	84113
4541	60	86279
4579	62	87001

There are 12 units of square 19 not sharing in book 1.

This completes the non sharing state in book 1.

TRUTH TABLE

BOOK 1.

The values which can only share are :-

SQUARE 6

SQUARE 9

SQUARE 10

SQUARE 12

SQUARE 14

SQUARE 15

SQUARE 18

SQUARE 20

TOTAL 8 SQUARES in book 1 which can only share.

So 10 squares in book 1 are independent.

TRUTH TABLE FOR SINGLE UNITS IN BOOK ONE IN ORDER OF MERIT.

SQUARE	TOTAL	TABLE
4	441	2
8	202	5
3	84	1
11	82	6
5	66	3
7	65	4
13	57	7
16	55	8
17	25	9
19	12	10

Now all the single value squares which are quoted in book 1 are covered,of cause we can sub-divide them into other tables,each table helps us to understand the relationship between squares..but I only intend to cover the space between the squares in the next issue.

So far all the FACTS upon the squares have been from the weight or mass factor,you can present this information from their sum value or level value. Each table gives quick and ready information for structural design work.

Therefore,the squares has 2 Key states :-

(a)...for fun

(b)...for design work

So far todote people use them purely for fun..I use them for design..that's the difference.

By the time you have read Book 1,and this issue and the next, you will come to accept the TRUTH,the chances of any one copying this work is ZERO rated..there is far too much work involved in its design.. but for those who can devote the effort and time..then there is a great new world awaiting for you.

People are far too greedy to be able to make the effort required.

SPACE SHARING BY THE SQUARES
PAIRING OF THE SQUARES

There are 9 units of square 3 sharing with square 5 in book 1.

SQUARE 3			SQUARE 4	
VALUE	LEVEL	SUM	LEVEL	SUM
30	7	90	1	120
42	11	126	4	168
54	15	162	7	216
66	19	198	10	264
78	23	234	13	312
102	31	306	19	408
114	35	342	22	456
126	39	378	25	504
138	43	414	28	552
162	51	486	34	648
174	55	522	37	696
186	59	558	40	744
198	63	594	43	792
222	71	666	49	888
234	75	702	52	936
246	79	738	55	984
258	83	774	58	1032
282	91	846	64	1128
306	99	918	70	1224
318	103	954	73	1272
342	111	1026	79	1368
354	115	1062	82	1416
366	119	1098	85	1464
402	131	1206	94	1608
426	139	1278	100	1704
438	143	1314	103	1752
474	155	1422	112	1896
498	163	1494	118	1992
534	175	1602	127	2136
582	191	1746	139	2328
606	199	1818	145	2424
618	203	1854	148	2472
642	211	1926	154	2568
654	215	1962	157	2616
678	223	2034	163	2712
762	251	2286	184	3048
786	259	2358	190	3144
822	271	2466	199	3288
834	275	2502	202	3336

There are 39 units of square 3 sharing with square 4 in book 1.

SQUARE 3			SQUARE 5	
VALUE	LEVEL	SUM	LEVEL	SUM
60	17	180	1	300
75	22	225	4	375
120	37	360	13	600
180	57	540	25	900
240	77	720	37	1200
480	157	1440	85	2400
600	197	1800	109	3000
960	317	2880	181	4800
1200	397	3600	229	6000

SQUARE 3			SQUARE 6	
VALUE	LEVEL	SUM	LEVEL	SUM
111	34	333	2	666
117	36	351	3	702
123	38	369	4	738
129	40	387	5	774
141	44	423	7	846
147	46	441	8	882
153	48	459	9	918
159	50	477	10	954
171	54	513	12	1026
177	56	531	13	1062
183	58	549	14	1098
201	64	603	17	1206
207	66	621	18	1242
213	68	639	19	1278
219	70	657	20	1314
237	76	711	23	1422
243	78	729	24	1458
249	80	747	25	1494
261	84	783	27	1566
267	86	801	28	1602
279	90	837	30	1674
291	94	873	32	1746
297	96	891	33	1782
303	98	909	34	1818
309	100	927	35	1854
321	104	963	37	1926
327	106	981	38	1962
333	108	999	39	1998
339	110	1017	40	2034
351	114	1053	42	2106
363	118	1089	44	2178
381	124	1143	47	2286
393	128	1179	49	2358
411	134	1233	52	2466
417	136	1251	53	2502
429	140	1287	55	2574
447	146	1341	58	2682
453	148	1359	59	2718
471	154	1413	62	2826
489	160	1467	65	2934
501	164	1503	67	3006
507	166	1521	68	3042
519	170	1557	70	3114
537	176	1611	73	3222
543	178	1629	74	3258
561	184	1683	77	3366
573	188	1719	79	3438
579	190	1737	80	3474
591	194	1773	82	3546
597	196	1791	83	3582
627	206	1881	88	3762
633	208	1899	89	3798
663	218	1989	94	3978

There is not space for another run of figures on this sheet, so let us look at some of the details involved here.

One thing which is clear, that the frequency only doubles etc to match the square in front of it, if the square value is double ect. In the case of 3 and 6 but in the case of 3 and 4 it certainly does not double to match 3. So it is not TRUE to state that the frequency for any mass is related..but it is TRUE that the frequency relates to the square in question.

So be very careful upon this point.

Another point to remember, that no 2 squares can share the same space at the same time but they can at different times.

There is no law in nature which states that our universe is the only universe.

There could be another or even more universes. Why then can we not see them ?

A very good question.

WE cannot see all of our own universe, what chances are there of seeing any other universes. Our universe space frame is so vast and carries so much material that we are unable to see through at this time. We can project what may be on the other side which we cannot see. Like our moon, until spacecrafts passed around it we could only project what we thought it was like...then we were wrong about the side we could see before we travelled to have a look.

What I had stated in 1946 was far more correct then what the experts were telling us, at that time. How much more will turn out correct as their knowledge increases.

SPACE SHARING BY THE SQUARES

PAIRING OF THE SQUARES 3 and 6 continue.

SQUARE 3			SQUARE 6	
VALUE	LEVEL	SUM	LEVEL	SUM
669	220	2007	95	4014
681	224	2043	97	4086
687	226	2061	98	4122
699	230	2097	100	4194
717	236	2151	103	4302
723	238	2169	104	4338
741	244	2223	107	4446
753	248	2259	109	4518
771	254	2313	112	4626
789	260	2367	115	4734
807	266	2421	118	4842
813	268	2439	119	4878
831	274	2493	122	4986
843	278	2529	124	5058
849	280	2547	125	5094
867	286	2601	128	5202
879	290	2637	130	5274
897	296	2691	133	5382
921	304	2763	137	5526
933	308	2799	139	5598
939	310	2817	140	5634
951	314	2853	142	5706
969	320	2907	145	5814
993	328	2979	149	5958
1011	334	3033	152	6066
1041	344	3123	157	6246
1047	346	3141	158	6282
1059	350	3177	160	6354
1077	356	3231	163	6462
1083	358	3249	164	6498
1101	364	3303	167	6606
1119	370	3357	170	6714
1137	376	3411	173	6822
1149	380	3447	175	6894
1167	386	3501	178	7002
1173	388	3519	179	7038
1191	394	3573	182	7146
1203	398	3609	184	7218
1227	406	3681	188	7362
1257	416	3771	193	7542
1263	418	3789	194	7578
1293	428	3879	199	7758
1299	430	3897	200	7794
1311	434	3933	202	7866
1317	436	3951	203	7902
1329	440	3987	205	7974
1347	446	4041	208	8082
1371	454	4113	212	8226
1383	458	4149	214	8298
1389	460	4167	215	8334
1401	464	4203	217	8406
1437	476	4311	223	8622
1461	484	4383	227	8766

SQUARE 3			SQUARE 6	
VALUE	LEVEL	SUM	LEVEL	SUM
1473	488	4419	229	8838
1479	490	4437	230	8874
1497	496	4491	233	8982
1509	500	4527	235	9054
1527	506	4581	238	9162
1563	518	4689	244	9378
1569	520	4707	245	9414
1581	524	4743	247	9486
1587	526	4761	248	9522
1623	538	4869	254	9738
1641	544	4923	257	9846
1653	548	4959	259	9918
1671	554	5013	262	10026
1689	560	5067	265	10134
1707	566	5121	268	10242
1713	568	5139	269	10278
1731	574	5193	272	10386
1761	584	5283	277	10566
1767	586	5301	278	10602
1779	590	5337	280	10674
1797	596	5391	283	10782
1803	598	5409	284	10818
1821	604	5463	287	10926
1839	610	5517	290	11034
1851	614	5553	292	11106
1857	616	5571	293	11142
1887	626	5661	298	11322
1893	628	5679	299	11358
1923	638	5769	304	11538
1929	640	5787	305	11574
1941	644	5823	307	11646
1959	650	5877	310	11754
1977	656	5931	313	11862
1983	658	5949	314	11898
2001	664	6003	317	12006
2019	670	6057	320	12114
2031	674	6093	322	12186
2049	680	6147	325	12294
2073	688	6219	329	12438
2091	694	6273	332	12546
2103	698	6309	334	12618
2109	700	6327	335	12654
2127	706	6381	338	12762
2139	710	6417	340	12834
2157	716	6471	343	12942
2181	724	6543	347	13086
2193	728	6579	349	13158
2199	730	6597	350	13194
2217	736	6651	353	13302
2229	740	6687	355	13374
2253	748	6759	359	13518
2271	754	6813	362	13626
2283	758	6849	364	13698
2307	766	6921	368	13842
2319	770	6957	370	13914
2337	776	7011	373	14022
2361	784	7083	377	14166

These papers are presented to make your brain work via your eyes. Did you notice the 2 states that must exist in the work out of the squares ?

I told you that 2 mathematical conditions must exist in the correct way of NATURE...but did you notice a FACT that is present in that mathematical condition.

FACT 1...If the square is EVEN then the mathematical condition is ODD

FACT 2...If the square is ODD then the mathematical condition is EVEN

A very few of you readers notice that FACT, if any of you did. That is the problem of the human being that he reads what he wants to read and fit what he wants to fit to what he reads instead of reading what it states. Sometimes I am surprised at what they read, it's nothing like what it states...the media are good at doing just that the NEWS OF THE WORLD are experts at it...no matter how often they go to court over it, they still do it. They are supposed to present only the TRUTH to its reader's...unfortunate they sadly fail in their duty to the reader. Even SPACE AND TIME failed to put in vital information in their last issue upon my work. SO WHO CAN YOU TRUST TO PRESENT THE TRUTH...SOME ONE HAS TO DO IT. We have got to STOP LIVING UPON A LIE.

SPACE SHARING BY THE SQUARES

PAIRING OF THE SQUARES 3 and 6 continue.

SQUARE 3			SQUARE 6	
VALUE	LEVEL	SUM	LEVEL	SUM
2391	794	7173	382	14346
2397	796	7191	383	14382
2427	806	7281	388	14562
2433	808	7299	389	14598
2451	814	7353	392	14706
2463	818	7389	394	14778
2469	820	7407	395	14814
2481	824	7443	397	14886
2487	826	7461	398	14922
2517	836	7551	403	15102
2523	838	7569	404	15138
2553	848	7659	409	15318
2559	850	7677	410	15354
2571	854	7713	412	15426
2577	856	7731	413	15462
2589	860	7767	415	15534
2631	874	7893	422	15786
2643	878	7929	424	15858
2649	880	7947	425	15894
2661	884	7983	427	15966
2679	890	8037	430	16074
2697	896	8091	433	16182
2721	904	8163	437	16326
2733	908	8199	439	16398
2757	916	8271	443	16542
2787	926	8361	448	16722
2811	934	8433	452	16866
2823	938	8469	454	16938
2829	940	8487	455	16974
2841	944	8523	457	17046
2859	950	8577	460	17154
2883	958	8649	464	17298
2901	964	8703	467	17406
2913	968	8739	469	17478
2931	974	8793	472	17586
2949	980	8847	475	17694
2967	986	8901	478	17802
2973	988	8919	479	17838
2991	994	8973	482	17946
3021	1004	9063	487	18126
3027	1006	9081	488	18162
3039	1010	9117	490	18234
3057	1016	9171	493	18342
3063	1018	9189	494	18378
3093	1028	9279	499	18558
3099	1030	9297	500	18594
3117	1036	9351	503	18702
3147	1046	9441	508	18882
3153	1048	9459	509	18918
3183	1058	9549	514	19098
3189	1060	9567	515	19134
3207	1066	9621	518	19242
3219	1070	9657	520	19314
3243	1078	9729	524	19458

SQUARE 3			SQUARE 6	
VALUE	LEVEL	SUM	LEVEL	SUM
3261	1084	9783	527	19566
3273	1088	9819	529	19638
3279	1090	9837	530	19674
3291	1094	9873	532	19746
3309	1100	9927	535	19854
3327	1106	9981	538	19962
3351	1114	10053	542	20106
3363	1118	10089	544	20178
3369	1120	10107	545	20214
3387	1126	10161	548	20322
3441	1144	10323	557	20646
3453	1148	10359	559	20718
3459	1150	10377	560	20754
3489	1160	10467	565	20934
3513	1168	10539	569	21078
3543	1178	10629	574	21258
3561	1184	10683	577	21366
3567	1186	10701	578	21402
3579	1190	10737	580	21474
3603	1198	10809	584	21618
3639	1210	10917	590	21834
3651	1214	10953	592	21906
3657	1216	10971	593	21942
3669	1220	11007	595	22014
3687	1226	11061	598	22122
3693	1228	11079	599	22158
3711	1234	11133	602	22266
3741	1244	11223	607	22446
3747	1246	11241	608	22482
3777	1256	11331	613	22662
3613	1268	11439	619	22878
3831	1274	11493	622	22986
3837	1276	11511	623	23022
3849	1280	11547	625	23094
3867	1286	11601	628	23202
3873	1288	11619	629	23238
3891	1294	11673	632	23346
3903	1298	11709	634	23418
3909	1300	11727	635	23454
3921	1304	11763	637	23526
3957	1316	11871	643	23742
3963	1318	11889	644	23778
3981	1324	11943	647	23886
3999	1330	11997	650	23994
4071	1354	12213	662	24426
4083	1358	12249	664	24498
4089	1360	12267	665	24534
4101	1364	12303	667	24606
4107	1366	12321	668	24642
4119	1370	12357	670	24714
4143	1378	12429	674	24858
4197	1396	12591	683	25182
4209	1400	12627	685	25254
4227	1406	12681	688	25362
4269	1420	12807	695	25614
4281	1424	12843	697	25686
4287	1426	12861	698	25722

Everything which you read in these books, relate to myself, how I think, how I reason, how I act, why I do this or that. You are my JURY as I stand on public trial as so many have transgressed against me. So judge me wisely for soon something is going to happen that will shake this planet to the highest level of government, that name will be JOHN SEARL. Many of the things which you shall read within these books, you may have never heard of, let alone seen. If there is any evidence which will support what I state, it will be included. Understanding the inventor is more important than their invention. Over the years I have seen many inventions upon the T.V. with promises how it will change our lives...so where are they today?

They simply got nowhere, they simply failed to meet the real world needs...the wrong thinking went into that work, the idea was right but its application was wrong..Year after year great talk about FREE ENERGY DEVICES WORKING..but where? They are not in the shops. So what is wrong with the FREE ENERGY WORLD?

SPACE SHARING BY THE SQUARES

PAIRING OF THE SQUARES 3 and 6 continue.

SQUARE 3			SQUARE 6	
VALUE	LEVEL	SUM	LEVEL	SUM
4299	1430	12897	700	25794
4317	1436	12951	703	25902
4341	1444	13023	707	26046
4353	1448	13059	709	26118
4359	1450	13077	710	26154
4371	1454	13113	712	26226
4377	1456	13131	713	26262
4413	1468	13239	719	26478
4443	1478	13329	724	26658
4449	1480	13347	725	26694
4461	1484	13383	727	26766
4467	1486	13401	728	26802
4479	1490	13437	730	26874
4497	1496	13491	733	26982
4533	1508	13599	739	27198
4551	1514	13653	742	27306
4569	1520	13707	745	27414
4593	1528	13779	749	27558
4611	1534	13833	752	27666
There are 293 units of square 3 sharing with square 6 in book 1.				

SQUARE 3			SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM
168	53	504	1	1176
336	109	1008	25	2352
672	221	2016	73	4704
1176	389	3528	145	8232
1344	445	4032	169	9408
2352	781	7056	313	16464
2688	893	8064	361	18816
There are 7 units of square 3 sharing with square 7 in book 1.				

SQUARE 3			SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM
276	89	828	4	2208
324	105	972	10	2592
348	113	1044	13	2784
372	121	1116	16	2976
444	145	1332	25	3552
492	161	1476	31	3936
516	169	1548	34	4128
564	185	1692	40	4512
636	209	1908	49	5088
708	233	2124	58	5664
732	241	2196	61	5856
804	265	2412	70	6432
852	281	2556	76	6816

SQUARE 3			SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM
876	289	2628	79	7008
948	313	2844	88	7584
996	329	2988	94	7968
1068	353	3204	103	8544
1164	385	3492	115	9312
1212	401	3636	121	9696
1236	409	3708	124	9888
1284	425	3852	130	10272
1308	433	3924	133	10464
1356	449	4068	139	10848
1524	505	4572	160	12192
1572	521	4716	166	12576
1644	545	4932	175	13152
1668	553	5004	178	13344
1788	593	5364	193	14304
1812	601	5436	196	14496
1884	625	5652	205	15072
1956	649	5868	214	15648
2004	665	6012	220	16032
2076	689	6228	229	16608
2148	713	6444	238	17184
2172	721	6516	241	17376
2292	761	6876	256	18336
2316	769	6948	259	18528
2364	785	7092	265	18912
2388	793	7164	268	19104
2532	841	7596	286	20256
2676	889	8028	304	21408
2724	905	8172	310	21792
2748	913	8244	313	21984
2796	929	8388	319	22368
2868	953	8604	328	22944
2892	961	8676	331	23136
3012	1001	9036	346	24096
3084	1025	9252	355	24672
3156	1049	9468	364	25248
3228	1073	9684	373	25824
3252	1081	9756	376	26016
3324	1105	9972	385	26592
3372	1121	10116	391	26976
3396	1129	10188	394	27168
3516	1169	10548	409	28128
3684	1225	11052	430	29472
3732	1241	11196	436	29856
3756	1249	11268	439	30048
3804	1265	11412	445	30432
3972	1321	11916	466	31776
4044	1345	12132	475	32352
4164	1385	12492	490	33312
4188	1393	12564	493	33504
4236	1409	12708	499	33888
4308	1433	12924	508	34464
4404	1465	13212	520	35232
4476	1489	13428	529	35808
4548	1513	13644	538	36384
4596	1529	13788	544	36768

There are 69 units of square 3 sharing with square 8 in book 1.

It has so often been stated,that I do not document my work,well what do you think ?

I always document my work to the absolute,In time you will get to know my work from others.

When one lay: a foundation for a structure,it never seems to make any sense. Here you see a foundation being laid for maybe what will turn out to be the greatest thing on earth,or the greatest achievement on earth. Who knows,only time will prove this case.

It has came to my notice that there are some who make claim that I talk out of my arse,I am just wind and no do...from that statement I would arrive at the view that its them who talk out of their arse and pollute the surrounding atmosphere. More likely their feelings are getting hurt by my growing success, taking away the glamour from them..thats more like the TRUTH.

Well,you better get use to hearing my name,because you will be hearing it more often in the future.

I have a job to do,and I intend to see that it gets done. That job is to save what life I can upon this planet..that includes everything that is possible to save from the coming catastrophic event,which I have good reasons,will happen in my lifetime.

I have witness some of the Americans suggestions for survival in this coming event,and must admit that they seem too far out on a beam to survive,should this event materialized.

We need a better plan.

SPACE SHARING BY THE SQUARES

PAIRING OF THE SQUARES 3 and 9.

SQUARE 3			SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM
432	141	1296	9	3888
576	189	1728	25	5184
648	213	1944	33	5832
864	285	2592	57	7776
936	309	2808	65	8424
1152	381	3456	89	10368
1224	405	3672	97	11016
1296	429	3888	105	11664
1368	453	4104	113	12312
1656	549	4968	145	14904
1728	573	5184	153	15552
1944	645	5832	177	17496
2304	765	6912	217	20736
2592	861	7776	249	23328
2736	909	8208	265	24624
3312	1101	9936	329	29808
3456	1149	10368	345	31104
3888	1293	11664	393	34992
4176	1389	12528	425	37584
4464	1485	13392	457	40176
4608	1533	13824	473	41472

There are 21 units of square 3 sharing with square 9 in book 1.

There are no units of square 3 which will share with square 10 in book 1.

SQUARE 3			SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM
1056	349	3168	37	11616
2112	701	6336	133	23232
4224	1405	12672	325	46464

There are 3 units of square 3 sharing with square 11 in book 1.

SQUARE 3			SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM
1248	413	3744	13	16224
2496	829	7488	109	32448

There are 2 units of square 3 sharing with square 13 in book 1.

There are no square 3 sharing with Square 14 in book 1.

There are no square 3 sharing with Square 15 in book 1.

At last you are beginning to understand nature and the S.E.G.

SQUARE 3			SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM
2136	709	6408	7	34176
2328	773	6984	19	37248
2424	805	7272	25	38784
2472	821	7416	28	39552
2568	853	7704	34	41088
2616	869	7848	37	41856
2712	901	8136	43	43392
3048	1013	9144	64	48768
3144	1045	9432	70	50304
3288	1093	9864	79	52608
3336	1109	10008	82	53376
3576	1189	10728	97	57216
3624	1205	10872	100	57984
3768	1253	11304	109	60288
3912	1301	11736	118	62592
4008	1333	12024	124	64128
4152	1381	12456	133	66432
4296	1429	12888	142	68736
4344	1445	13032	145	69504
4584	1525	13752	160	73344

There are 20 units of square 3 sharing with square 16 in book 1.

SQUARE 3			SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM
3264	1085	9792	49	55488

There are just 1 unit of square 3 sharing with square 17 in book 1.

There are no square 3 sharing with square 18 in book 1.

SQUARE 3			SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM
3648	1213	10944	13	69312

There is just 1 unit of square 3 sharing with square 19 in book 1.

There are no units of square 3 sharing with square 20 in book 1.

This completes the sharing of square 3 with just another square in book 1.

The TRUTH TABLE for this event will be on the next page.

In book 1 there are a total of 465 units of square 3 sharing with another square.

There are just 6 options which square 3 will not share as pairs in book 1.

To recognise that which is false or true can be quite difficult to achieve.

Bear in mind that from a tiny acorn grows the mighty oak tree...my work was once just a tiny acorn but its growing and will continue to do so in the years ahead...Since 1968 many people have tried to copy my work and failed...if only they had been INTELLIGENT instead of being IDIOTS, and joined with me as a team, as I requested them, we all should have achieved our objective...the S.E.G.'s would be on sell in your local shop today. Instead they wasted vital cash that was so urgently needed and they lost both the cash and the time spent...its their own fault for their stupid know all state. Today and tomorrow the IDIOTS will still come with all their know how, and they can do it. Results, they will never be able to do it.

TRUTH TABLE for square 3 sharing in book 1.

PAIRING TABLE OF SQUARE 3.

SQUARE 3 NOT SHARING WITH ANY OTHER SQUARE.

SQUARE 3 will not share with SQUARE 10

SQUARE 3 will not share with SQUARE 12

SQUARE 3 will not share with SQUARE 14

SQUARE 3 will not share with SQUARE 15

SQUARE 3 will not share with SQUARE 18

SQUARE 3 will not share with SQUARE 20

SQUARE 3 SHARING WITH OTHER SQUARES.

SQUARE 3 shares with SQUARE 6, = 293 times

SQUARE 3 shares with SQUARE 8, = 69 times

SQUARE 3 shares with SQUARE 4, = 39 times

SQUARE 3 shares with SQUARE 9, = 21 times

SQUARE 3 shares with SQUARE 16, = 20 times

SQUARE 3 shares with SQUARE 5, = 9 times

SQUARE 3 shares with SQUARE 7, = 7 times

SQUARE 3 shares with SQUARE 11, = 3 times

SQUARE 3 shares with SQUARE 13, = 2 times

SQUARE 3 shares with SQUARE 17, = 1 time only

SQUARE 3 shares with SQUARE 19, = 1 time only.

That completes the TRUTH TABLE FOR SQUARE 3.

SPACE SHARING BY THE SQUARES IN PAIRS

PAIRING TABLE OF SQUARE 4.

SQUARE 4			SQUARE 5	
VALUE	LEVEL	SUM	LEVEL	SUM
70	11	280	3	350
110	21	440	11	550
130	26	520	15	650
170	36	680	23	850
190	41	760	27	950
230	51	920	35	1150
250	56	1000	39	1250
290	66	1160	47	1450
310	71	1240	51	1550
370	86	1480	63	1850
410	96	1640	71	2050
430	101	1720	75	2150
470	111	1880	83	2350
530	126	2120	95	2650
550	131	2200	99	2750
590	141	2360	107	2950
610	146	2440	111	3050
650	156	2600	119	3250
670	161	2680	123	3350

SQUARE 4			SQUARE 5	
VALUE	LEVEL	SUM	LEVEL	SUM
710	171	2840	131	3550
730	176	2920	135	3650
790	191	3160	147	3950
830	201	3320	155	4150
850	206	3400	159	4250
890	216	3560	167	4450
950	231	3800	179	4750
970	236	3880	183	4850
1010	246	4040	191	5050
1030	251	4120	195	5150
1070	261	4280	203	5350
1090	266	4360	207	5450
1130	276	4520	215	5650
1150	281	4600	219	5750
1250	306	5000	239	6250
1270	311	5080	243	6350
1310	321	5240	251	6550
1370	336	5480	263	6850
1390	341	5560	267	6950
1450	356	5800	279	7250
1490	366	5960	287	7450
1510	371	6040	291	7550
1550	381	6200	299	7750
1570	386	6280	303	7850
1630	401	6520	315	8150
1670	411	6680	323	8350
1730	426	6920	335	8650
1790	441	7160	347	8950
1810	446	7240	351	9050
1850	456	7400	359	9250
1910	471	7640	371	9550
1930	476	7720	375	9650
1970	486	7880	383	9850
1990	491	7960	387	9950
2050	506	8200	399	10250
2110	521	8440	411	10550
2150	531	8600	419	10750
2230	551	8920	435	11150
2270	561	9080	443	11350
2290	566	9160	447	11450
2330	576	9320	455	11650
2350	581	9400	459	11750
2390	591	9560	467	11950
2410	596	9640	471	12050
2510	621	10040	491	12550
2570	636	10280	503	12850
2630	651	10520	515	13150
2650	656	10600	519	13250
2690	666	10760	527	13450
2710	671	10840	531	13550
2770	686	11080	543	13850
2810	696	11240	551	14050
2830	701	11320	555	14150
2930	726	11720	575	14650
2950	731	11800	579	14750
3050	756	12200	599	15250
3070	761	12280	603	15350

SPACE SHARING BY THE SQUARES.

PAIRING SQUARE 4.

SQUARE 4			SQUARE 5	
VALUE	LEVEL	SUM	LEVEL	SUM
3110	771	12440	611	15550
3130	776	12520	615	15650
3170	786	12680	623	15850
3310	821	13240	651	16550
3350	831	13400	659	16750
3370	836	13480	663	16850
3470	861	13880	683	17350
3490	866	13960	687	17450
3530	876	14120	695	17650
3550	881	14200	699	17750
3590	891	14360	707	17950
3650	906	14600	719	18250
3670	911	14680	723	18350
3730	926	14920	735	18650
3790	941	15160	747	18950
3830	951	15320	755	19150
3890	966	15560	767	19450
3950	981	15800	779	19750
3970	986	15880	783	19850

There are 95 units of square 4 sharing with square 5, in book 1.

Whats the good of documentation, if the reader does not read it.

If you do not observe

If you do not reason

How are you to know, or benefit from that documentation.

Let's take the above table, what did I observed ?

1..all the values ended in zeros

2..all the sums ended in zeros

3..all square 5 sums end in 50's

I could go on and on presenting the FACTS contained within that table.

From these FACTS we can reason a route, or a line of action to achieve a desired function, construction etc.

STARSHIP EZEKIEL PHASE 1 called DEMO 1 was constructed mainly from 3-ply, whereas, STARSHIP EZEKIEL PHASE 2 and PHASE 3 will mainly be built of composite, same as the S.E.G.

For this work I must have a DESIGN CHECKLIST..THAT IS A PROGRAM PLAN WHICH WILL GIVE ME SOME HOPE OF SUCCESS, WITHOUT WHICH, FAILURE WOULD BE CERTAIN.

There are many FACTORS which must be taken into account when a component is designed in composite materials.

(a)...the possible methods of manufacture by which the component may be made.

(b)...It is essential to know all the alternative methods by which the component can be produced before the final design choice is made, otherwise an incorrect decision may be reached.

Some of the primary FACTORS are listed below.

Do not accept this list as covering every point needed, it does not. The list is far from being exhausted.

INITIAL DESIGN CONSIDERATIONS.

(i).....SHAPE, DIMENSIONS

(ii)....SOLID LAMINATE, SANDWICH CONSTRUCTION, OR OTHER DESIGN PREFERRED

In this book and those which follows we shall follow the design thinking in both the STARSHIP EZEKIEL PHASE 2 and the S.E.G.

BASIC MECHANICAL DESIGN.

To be acceptable under all conditions, including transport, installation, start up, operation, shut down, malfunction and breakdown of adjacent components.

(i)....STIFFNESS

(ii)...STRENGTH ...can microcracking be tolerated, should failure be gradual, strain limitations.

(iii)..WEIGHT

(iv)...MEANS OF ATTACHMENT .. joints, metallic inclusions.

OTHER DESIGN CRITERIA

(i).....FATIGUE RESISTANCE

(ii)....CREEP RESISTANCE

(iii)...ENVIRONMENTAL RESISTANCE...temperature, moisture, chemicals, oils etc.

(iv)....DAMAGE TOLERANCE...abrasion, high energy impact, robustness.

(v).....VIBRATION DAMPING

(vi)....THERMAL EXPANSION

(vii)...ELECTROMAGNETIC SHIELDING PROPERTIES

(viii)..ENERGY ABSORPTION

(ix)....RADIO/RADAR/X-RAY TRANSPARENCY

PROCESSING CRITERIA

(i).....SHAPE

(ii)....DIMENSIONAL TOLERANCES

(iii)...QUALITY...void content, consolidation, fibre volume, surface finish.

(iv)....SOLID LAMINATE, SANDWICH CONSTRUCTION, or other design.

(v).....ONE-SHOT PROCESS OR MULTI-STAGE

(vi)....SUBSEQUENT FINISHING OPERATIONS

(vii)...FINAL ASSEMBLY METHODS.

This is just a few things I have to make decision upon. I do not wave any magic wands to produce my technology, its all done by hard work. We will now return to the tables of the squares.

SPACE SHARING BY THE SQUARES.

PAIRING OF SQUARE 4.

There is no square 4 that will share with square 6 in book 1.

SQUARE 4			SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM
182	39	728	3	1274
238	53	952	11	1666
266	60	1064	15	1862
322	74	1288	23	2254
406	95	1624	35	2842
434	102	1736	39	3038
518	123	2072	51	3626
574	137	2296	59	4018
602	144	2408	63	4214
658	158	2632	71	4606
686	165	2744	75	4802
742	179	2968	83	5194
826	200	3304	95	5782
854	207	3416	99	5978
938	228	3752	111	6566
994	242	3976	119	6958
1022	249	4088	123	7154
1106	270	4424	135	7742
1162	284	4648	143	8134
1246	304	4984	155	8722
1358	333	5432	171	9506
1414	347	5656	179	9898
1442	354	5768	183	10094
1498	368	5992	191	10486
1526	375	6104	195	10682
1582	389	6328	203	11074
1666	410	6664	215	11662
1778	438	7112	231	12446
1834	452	7336	239	12838
1862	459	7448	243	13034
1918	473	7672	251	13426
1946	480	7784	255	13622
2086	515	8344	275	14602
2114	522	8456	279	14798
2198	543	8792	291	15386
2254	557	9016	299	15778
2282	564	9128	303	15974
2338	578	9352	311	16366
2422	599	9688	323	16954
2506	620	10024	335	17542
2534	627	10136	339	17738
2674	662	10696	359	18718
2702	669	10808	363	18914

SQUARE 4			SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM
2758	683	11032	371	19306
2786	690	11144	375	19502
2842	704	11368	383	19894
2954	732	11816	399	20678
3038	753	12152	411	21266
3122	774	12488	423	21854
3178	788	12712	431	22246
3206	795	12824	435	22442
3262	809	13048	443	22834
3346	830	13384	455	23422
3374	837	13496	459	23618
3514	872	14056	479	24598
3598	893	14392	491	25186
3626	900	14504	495	25382
3682	914	14728	508	25774
3766	935	15064	515	26362
3794	942	15176	519	26558
3878	963	15512	531	27146
3934	977	15736	539	27538
3962	984	15848	543	27734
4018	998	16072	551	28126
4102	1019	16408	563	28714
4214	1047	16856	579	29498
4298	1068	17192	591	30086
4354	1082	17416	599	30478
4382	1089	17528	603	30674
4438	1103	17752	611	31066
4606	1145	18424	635	32242
There are 71 units of square 4 sharing with square 7 in book 1.				

Observation..did you notice that square 7 sharing with square 4 levels are similar to those of square 5 sharing with 4 ?

Yes, in both cases of 7 and 5 are there any even value levels, they are all odd values.

Did you also observed that all of the square 7 sums end in an even number, not one is odd.

As stated its no good just looking at something, you have to observe and record known FACTS which is contained within that observation.

There are no square 4 sharing with square 8 in book 1.

There are no square 4 sharing with square 9 in book 1.

There are no square 4 sharing with square 10 in book 1.

SQUARE 4			SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM
682	164	2728	3	7502
814	197	3256	15	8954
902	219	3608	23	9922
946	230	3784	27	10406
1034	252	4136	35	11374

SPACE SHARING BY THE SQUARES

PAIRING OF SQUARE 4.

SQUARE 4			SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM
1166	285	4664	47	12826
1298	318	5192	59	14278
1342	329	5368	63	14762
1474	362	5896	75	16214
1562	384	6248	83	17182
1606	395	6424	87	17666
1738	428	6952	99	19118
1826	450	7304	107	20086
1958	483	7832	119	21538
2134	527	8536	135	23474
2222	549	8888	143	24442
2266	560	9064	147	24926
2354	582	9416	155	25894
2398	593	9592	159	26378
2486	615	9944	167	27346
2662	659	10648	183	29282
2794	692	11176	195	30734
2882	714	11528	203	31702
3014	747	12056	215	33154
3058	758	12232	219	33638
3278	813	13112	239	36058
3322	824	13288	243	36542
3454	857	13816	255	37994
3586	890	14344	267	39446
3674	912	14696	275	40414
3806	945	15224	287	41866
3938	978	15752	299	43318
3982	989	15928	303	43802
4202	1044	16808	323	46222
4246	1055	16984	327	46706
4334	1077	17336	335	47674
4378	1088	17512	339	48158

There are 37 units of square 4 sharing with square 11 in book 1.

Observed that all of square 11 levels are odd,there's no even ones yet all of its sum values are even there are no odd values.

There are no square 4 sharing with square 12 in book 1.

SQUARE 4			SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM
1118	273	4472	3	14534
1222	299	4888	11	15886
1378	338	5512	23	17914
1534	377	6136	35	19942
1586	390	6344	39	20618
1742	429	6968	51	22646
1846	455	7384	59	23998

SQUARE 4			SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM
1898	468	7592	63	24674
2054	507	8216	75	26702
2158	533	8632	83	28054
2314	572	9256	95	30082
2522	624	10088	111	32786
2626	650	10504	119	34138
2678	663	10712	123	34814
2782	689	11128	131	36166
2834	702	11336	135	36842
2938	728	11752	143	38194
3302	819	13208	171	42926
3406	845	13624	179	44278
3562	884	14248	191	46306
3614	897	14456	195	46982
3874	962	15496	215	50362
3926	975	15704	219	51038
4082	1014	16328	231	53066
4238	1053	16952	243	55094
4342	1079	17368	251	56446
4394	1092	17576	255	57122
4498	1118	17992	263	58474

There are 28 units of square 4 sharing with square 13 in book 1.

Observe that again 13 has all levels odd, and its sum value all even.

There are no square 4 sharing with square 14.

There are no square 4 sharing with square 15.

There are no square 4 sharing with square 16.

SQUARE 4			SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM
2482	614	9928	3	42194
2686	665	10744	15	45662
2822	699	11288	23	47974
3026	750	12104	35	51442
3298	818	13192	51	56066
3434	852	13736	59	58378
3502	869	14008	63	59534
3638	903	14552	71	61846
3706	920	14824	75	63002
3842	954	15368	83	65314
4318	1073	17272	111	73406
4454	1107	17816	119	75718

There are 12 units of square 4 sharing with square 17 in book 1.

There are no square 4 sharing with square 18.

Think of the 700 or so BHP required to propel more than a half a ton of modern Formula One car from 180 to zero in 5 seconds, and you've got some idea of the problems involved in stopping it.

It isn't simply a question of brute force at racing speeds, brake parts can reach red heat and must still be able to cope with enormous stresses.

Other parts of the car need protecting against flames, oil, solvents, vibration and water - problems by no means peculiar to racing cars. So STARSHIP EZEKIEL PHASE 2 and 3 have similar problems and the selecting of the precise material for the job.

It seems the MORAL is, whether you're trying to stop something or get a project going, it pays to STOP, THINK, then ACT.

New, non-metallic composite BRI-TEN glass, aramid, carbon fibre reinforced strength members - in unique coiled single or multi-stranded form - as the latest alternative to high carbon steel, stainless steel and high strength fibre products.

SPACE SHARING BY THE SQUARES.

PAIRING OF SQUARE 4.

SQUARE 4			SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM
3686	915	14744	15	70034
3838	953	15352	23	72922
3914	972	15656	27	74366
4066	1010	16264	35	77254
4142	1029	16568	39	78698
4294	1067	17176	47	81586
There are 6 units of square 4 sharing with square 19 in book 1.				

This completes the square 4 sharing.

TRUTH TABLE...No Sharing.

SQUARE 4 WILL NOT SHARE WITH SQUARE 6.

SQUARE 4 WILL NOT SHARE WITH SQUARE 8.

SQUARE 4 WILL NOT SHARE WITH SQUARE 9.

SQUARE 4 WILL NOT SHARE WITH SQUARE 10.

SQUARE 4 WILL NOT SHARE WITH SQUARE 12.

SQUARE 4 WILL NOT SHARE WITH SQUARE 14.

SQUARE 4 WILL NOT SHARE WITH SQUARE 15.

SQUARE 4 WILL NOT SHARE WITH SQUARE 16.

SQUARE 4 WILL NOT SHARE WITH SQUARE 18.

SQUARE 4 WILL NOT SHARE WITH SQUARE 20.

TRUTH TABLE..Sharing of 4.

SQUARE 4 SHARES WITH SQUARE 5, = 95 times.

SQUARE 4 SHARES WITH SQUARE 7, = 71 times.

SQUARE 4 SHARES WITH SQUARE 11, = 37 times.

SQUARE 4 SHARES WITH SQUARE 13, = 28 times.

SQUARE 4 SHARES WITH SQUARE 17, = 12 times.

SQUARE 4 SHARES WITH SQUARE 19, = 6 times.

So SQUARE 4 SHARES A TOTAL OF 249 UNITS AS PAIRS IN BOOK 1.

Again we see that all of square 19 levels are odd values, there's not one value even. Their sums are also all even.

PAIRING OF SQUARE 5.

There are no units of square 5 sharing with square 6.

SQUARE 5			SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM
175	24	875	2	1225
245	38	1225	12	1715
280	45	1400	17	1960
385	66	1925	32	2695
455	80	2275	42	3185
560	101	2800	57	3920
1120	213	5600	137	7840
1400	269	7000	177	9800
1960	381	9800	257	13720
2240	437	11200	297	15680
2800	549	14000	377	19600
3920	773	19600	537	27440
4480	885	22400	617	31360
There are 13 units of square 5 sharing with square 7 in book 1.				

SQUARE 5			SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM
260	41	1300	2	2080
340	57	1700	12	2720
380	65	1900	17	3040
460	81	2300	27	3680
500	89	2500	32	4000
580	105	2900	42	4640
620	113	3100	47	4960
740	137	3700	62	5920
820	153	4100	72	6560
860	161	4300	77	6880
940	177	4700	87	7520
1060	201	5300	102	8480
1180	225	5900	117	9440
1220	233	6100	122	9760
1340	257	6700	137	10720
1420	273	7100	147	11360
1460	281	7300	152	11680
1580	305	7900	167	12640
1660	321	8300	177	13280
1700	329	8500	182	13600
1780	345	8900	192	14240
1900	369	9500	207	15200

SPACE SHARING BY THE SQUARES.

PAIRING OF SQUARE 5.

SQUARE 5			SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM
1940	377	9700	212	15520
2020	393	10100	222	16160
2060	401	10300	227	16480
2140	417	10700	237	17120
2180	425	10900	242	17440
2260	441	11300	252	18080
2300	449	11500	257	18400
2500	489	12500	282	20000
2540	497	12700	287	20320
2620	513	13100	297	20960
2740	537	13700	312	21920
2780	545	13900	317	22240
2900	569	14500	332	23200
2980	585	14900	342	23840
3020	593	15100	347	24160
3100	609	15500	357	24800
3140	617	15700	362	25120
3260	641	16300	377	26080
3340	657	16700	387	26720
3460	681	17300	402	27680
3580	705	17900	417	28640
3620	713	18100	422	28960
3700	729	18500	432	29600
3820	753	19100	447	30560
3860	761	19300	452	30880
3940	777	19700	462	31520
3980	785	19900	467	31840
4100	809	20500	482	32800
4220	833	21100	497	33760
4300	849	21500	507	34400
4460	881	22300	527	35680
4540	897	22700	537	36320
4580	905	22900	542	36640
There are 55 units of square 5 sharing with square 8 in book 1.				

Observe that the values are all zero's and so are the sum value of both units. While the levels of 5 are all odd values.

There are no units of square 5 sharing with square 9 in book 1.

Your business idea or invention may help solve an environmental problem - or it may just prove a problem for you !

To turn your innovation into an environmentally sound business you'll need determination, commercial acumen (or a good measure of common sense) and family backing. Luck plays a part too.

If you have got all that, then these books will help ensure you don't fall

into the pitfalls that trap many aspiring environmental entrepreneurs.

I shall ask many questions through these books upon the problem of inventing.

SQUARE 5			SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM
505	90	2525	2	5050
515	92	2575	3	5150
535	96	2675	5	5350
545	98	2725	6	5450
565	102	2825	8	5650
575	104	2875	9	5750
605	110	3025	12	6050
625	114	3125	14	6250
635	116	3175	15	6350
655	120	3275	17	6550
685	126	3425	20	6850
695	128	3475	21	6950
725	134	3625	24	7250
745	138	3725	26	7450
755	140	3775	27	7550
775	144	3875	29	7750
785	146	3925	30	7850
815	152	4075	33	8150
835	156	4175	35	8350
845	158	4225	36	8450
865	162	4325	38	8650
895	168	4475	41	8950
905	170	4525	42	9050
925	174	4625	44	9250
955	180	4775	47	9550
965	182	4825	48	9650
985	186	4925	50	9850
995	188	4975	51	9950
1025	194	5125	54	10250
1055	200	5275	57	10550
1075	204	5375	59	10750
1115	212	5575	63	11150
1135	216	5675	65	11350
1145	218	5725	66	11450
1165	222	5825	68	11650
1175	224	5875	69	11750
1195	228	5975	71	11950
1205	230	6025	72	12050
1255	240	6275	77	12550
1285	246	6425	80	12850
1315	252	6575	83	13150
1325	254	6625	84	13250
1345	258	6725	86	13450
1355	260	6775	87	13550
1385	266	6925	90	13850
1405	270	7025	92	14050
1415	272	7075	93	14150
1445	278	7225	96	14450
1465	282	7325	98	14650
1475	284	7375	99	14750
1525	294	7625	104	15250

SPACE SHARING BY THE SQUARES.

PAIRING OF SQUARE 5.

SQUARE 5			SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM
1535	296	7675	105	15350
1555	300	7775	107	15550
1565	302	7825	108	15650
1585	306	7925	110	15850
1615	312	8075	113	16150
1655	320	8275	117	16550
1675	324	8375	119	16750
1685	326	8425	120	16850
1735	336	8675	125	17350
1745	338	8725	126	17450
1765	342	8825	128	17650
1775	344	8875	129	17750
1795	348	8975	131	17950
1805	350	9025	132	18050
1825	354	9125	134	18250
1835	356	9175	135	18350
1865	362	9325	138	18650
1895	368	9475	141	18950
1915	372	9575	143	19150
1945	378	9725	146	19450
1955	380	9775	147	19550
1975	384	9875	149	19750
1985	386	9925	150	19850
2005	390	10025	152	20050
2045	398	10225	156	20450
2075	404	10375	159	20750
2095	408	10475	161	20950
2105	410	10525	162	21050
2125	414	10625	164	21250
2155	420	10775	167	21550
2165	422	10825	168	21650
2185	426	10925	170	21850
2195	428	10975	171	21950
2215	432	11075	173	22150
2225	434	11125	174	22250
2245	438	11225	176	22450
2285	446	11425	180	22850
2305	450	11525	182	23050
2315	452	11575	183	23150
2335	456	11675	185	23350
2375	464	11875	189	23750
2395	468	11975	191	23950
2425	474	12125	194	24250
2435	476	12175	195	24350
2455	480	12275	197	24550
2495	488	12475	201	24950
2515	492	12575	203	25150
2525	494	12625	204	25250
2545	498	12725	206	25450
2575	504	12875	209	25750
2605	510	13025	212	26050
2615	512	13075	213	26150
2645	518	13225	216	26450
2675	524	13375	219	26750

SQUARE 5			SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM
2705	530	13525	222	27050
2725	534	13625	224	27250
2735	536	13675	225	27350
2755	540	13775	227	27550
2785	546	13925	230	27850
2815	552	14075	233	28150
2825	554	14125	234	28250
2845	558	14225	236	28450
2855	560	14275	237	28550
2875	564	14375	239	28750
2885	566	14425	240	28850
2935	576	14675	245	29350
2945	578	14725	246	29450
2965	582	14825	248	29650
2995	588	14975	251	29950
3005	590	15025	252	30050
3035	596	15175	255	30350
3065	602	15325	258	30650
3085	606	15425	260	30850
3095	608	15475	261	30950
3125	614	15625	264	31250
3155	620	15775	267	31550
3175	624	15875	269	31750
3205	630	16025	272	32050
3215	632	16075	273	32150
3235	636	16175	275	32350
3265	642	16325	278	32650
3275	644	16375	279	32750
3295	648	16475	281	32950
3305	650	16525	282	33050
3335	656	16675	285	33350
3365	662	16825	288	33650
3385	666	16925	290	33850
3415	672	17075	293	34150
3425	674	17125	294	34250
3455	680	17275	297	34550
3475	684	17375	299	34750
3505	690	17525	302	35050
3545	698	17725	306	35450
3565	702	17825	308	35650
3595	708	17975	311	35950
3625	714	18125	314	36250
3635	716	18175	315	36350
3665	722	18325	318	36650
3695	728	18475	321	36950
3715	732	18575	323	37150
3725	734	18625	324	37250
3755	740	18775	327	37550
3775	744	18875	329	37750
3785	746	18925	330	37850
3805	750	19025	332	38050
3845	758	19225	336	38450
3865	762	19325	338	38650
3875	764	19375	339	38750
3925	774	19625	344	39250
3935	776	19675	345	39350
3985	786	19925	350	39850

SPACE SHARED BY THE SQUARES.

PAIRING OF SQUARE 5.

SQUARE 5			SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM
4045	798	20225	356	40450
4055	800	20275	357	40550
4075	804	20375	359	40750
4105	810	20525	362	41050
4115	812	20575	363	41150
4135	816	20675	365	41350
4145	818	20725	366	41450
4175	824	20875	369	41750
4195	828	20975	371	41950
4205	830	21025	372	42050
4255	840	21275	377	42550
4265	842	21325	378	42650
4285	846	21425	380	42850
4295	848	21475	381	42950
4315	852	21575	383	43150
4325	854	21625	384	43250
4385	866	21925	390	43850
4405	870	22025	392	44050
4415	872	22075	393	44150
4435	876	22175	395	44350
4475	884	22375	399	44750
4495	888	22475	401	44950
4525	894	22625	404	45250
4535	896	22675	405	45350
4555	900	22775	407	45550
4595	908	22975	411	45950
There are 188 units of square 5 sharing with square 10 in book 1.				

Observe that all values end in 5.

Observe all sum values of 5 end in 5.

Observe all sum values of 10 end in 50.

SQUARE 5			SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM
880	165	4400	21	9680
1760	341	8800	101	19360
3520	293	17600	261	38720
4400	869	22000	341	48400
There are 4 units of square 5 sharing with square 11 in book 1.				

There are no units of square 5 sharing with square 12 in book 1.

SQUARE 5			SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM
2080	405	10400	77	27040
4160	821	20800	237	54080

There are 2 units of square 5 sharing with square 13 in book 1.

There are no units of square 5 sharing with square 14 in book 1.

There are no units of square 5 sharing with square 15 in book 1.

SQUARE 5			SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM
2120	413	10600	6	33920
2360	461	11800	21	37760
2440	477	12200	26	39040
2680	525	13400	41	42880
2840	557	14200	51	45440
2920	573	14600	56	46720
3160	621	15800	71	50560
3320	653	16600	81	53120
3560	701	17800	96	56960
3880	765	19400	116	62080
4040	797	20200	126	64640
4120	813	20600	131	65920
4280	845	21400	141	68480
4360	861	21800	146	69760
4520	893	22600	156	72320
4600	909	23000	161	73600

There are 16 units of square 5 sharing with square 16 in book 1.

SQUARE 5			SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM
2720	533	13600	17	46240

There are 1 unit of square 5 sharing with square 17 in book 1.

This completes all of the units of square 5 sharing with one other square.

TRUTH TABLE..Square 5 Not Sharing.

SQUARE 5 WILL NOT SHARE WITH SQUARE 6.

SQUARE 5 WILL NOT SHARE WITH SQUARE 9.

SQUARE 5 WILL NOT SHARE WITH SQUARE 12.

SQUARE 5 WILL NOT SHARE WITH SQUARE 14.

SQUARE 5 WILL NOT SHARE WITH SQUARE 15.

SQUARE 5 WILL NOT SHARE WITH SQUARE 18.

SQUARE 5 WILL NOT SHARE WITH SQUARE 19.

SQUARE 5 WILL NOT SHARE WITH SQUARE 20.

Thus in book 1 square five will not share with 8 of the other squares.

TRUTH TABLE..Square 5 Sharing

square 5 WILL SHARE WITH SQUARE 10, = 188 times.

SQUARE 5 WILL SHARE WITH SQUARE 8, = 55 times.

SQUARE 5 WILL SHARE WITH SQUARE 16, = 16 times.

SQUARE 5 WILL SHARE WITH SQUARE 7, = 13 times.

SQUARE 5 WILL SHARE WITH SQUARE 11, = 4 times.

TRUTH TABLE..Sharing.

SQUARE 5 WILL SHARE WITH SQUARE 13, = 2 times.

SQUARE 5 WILL SHARE WITH SQUARE 17, = 1 time.

Square 5 shares 279 units with another square in book 1.

Inventor should ask themselves :-

'HAS ANYONE ELSE THOUGHT OF IT ?'

The answer could save a lot of time and money. But you can't just see if your idea is in the shops already. You have to check with the Patents Office. If the idea's patented or widely published then you won't get your own patent.

The Science Reference Library at the Patent Office have thousands of patents on record. Many are good ideas taken no further. You can check the records yourself but it's probably worth the several hundred pounds involved to have a Patent Agent or technical searcher help.

Talks with the Patent Agent are in confidence. Any 'disclosure' of your invention not made in confidence could stop you obtaining Patent cover later, though being careful who you talk to is a wise precaution anyway.

Initially you can pay a nominal fee to file your idea. That gives twelve months protection while deciding what to do with it. Full Patents are expensive. You may have to use a Patent Agent to make sure applications are submitted properly and the official fees escalate as you go along, particularly for overseas cover.

SO BEFORE GOING TO THE EXPENSE OF FULL PATENT COVER YOU SHOULD ASK 'HAS ANYONE ELSE THOUGHT OF IT ?'

There are no units of square 6 sharing with any other square in book 1.

TRUTH TABLE...

SQUARE 6 Not Sharing..

SQUARE 6 WILL NOT SHARE WITH SQUARE 7.

SQUARE 6 WILL NOT SHARE WITH SQUARE 8.

SQUARE 6 WILL NOT SHARE WITH SQUARE 9.

SQUARE 6 WILL NOT SHARE WITH SQUARE 10.

SQUARE 6 WILL NOT SHARE WITH SQUARE 11.

SQUARE 6 WILL NOT SHARE WITH SQUARE 12.

SQUARE 6 WILL NOT SHARE WITH SQUARE 13.

SQUARE 6 WILL NOT SHARE WITH SQUARE 14.

SQUARE 6 WILL NOT SHARE WITH SQUARE 15.

SQUARE 6 WILL NOT SHARE WITH SQUARE 16.

SQUARE 6 WILL NOT SHARE WITH SQUARE 17.

SQUARE 6 WILL NOT SHARE WITH SQUARE 18.

SQUARE 6 WILL NOT SHARE WITH SQUARE 19.

SQUARE 6 WILL NOT SHARE WITH SQUARE 20.

I did file a Patent application. But after I had talks with the Patent Office, it was clear that I had a 'KNOW-HOW' this you need not Patent, I could take out a water mark for protection that would last the whole of my life or the whole of the company's life. But I took this matter no further.

SPACE SHARING BY THE SQUARES ...

PAIRING SQUARE 7..

SQUARE 7			SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM
308	21	2156	8	2464
364	29	2548	15	2912
476	45	3332	29	3808
532	53	3724	36	4256
644	69	4508	50	5152
812	93	5684	71	6496
868	101	6076	78	6944
1036	125	7252	99	8288
1148	141	8036	113	9184
1204	149	8428	120	9632
1316	165	9212	134	10528
1372	173	9604	141	10976
1484	189	10388	155	11872
1652	213	11564	176	13216
1708	221	11956	183	13664
1876	245	13132	204	15008
1988	261	13916	218	15904
2044	269	14308	225	16352
2212	293	15484	246	17696
2324	309	16268	260	18592
2492	333	17444	281	19936
2716	365	19012	309	21728
2828	381	19796	323	22624
2884	389	20188	330	23072
2996	405	20972	344	23968
3052	413	21364	351	24416
3164	429	22148	365	25312
3556	485	24892	414	28448
3668	501	25676	428	29344
3836	525	26852	449	30688
3892	533	27244	456	31136
4172	573	29204	491	33376
4228	581	29596	498	33824
4396	605	30772	519	35168
4508	621	31556	533	36064
4564	629	31948	540	36512
There are 36 units of square 7 sharing with square 8 in book 1.				

There are no units of square 7 sharing with square 9 in book 1.

SPACE SHARING BY THE SQUARES

PAIRING OF SQUARE 7.

There are no units of square 7 sharing with square 10 in book 1.

SQUARE 7			SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM
847	98	5929	18	9317
1001	120	7007	32	11011
1232	153	8624	53	13552
1309	164	9163	60	14399
2464	329	17248	165	27104
There are 5 units of square 7 sharing with square 11 in book 1.				

There are no units of square 7 sharing with square 12 in book 1.

SQUARE 7			SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM
1183	146	8281	8	15379
1456	185	10192	29	18928
2912	393	20384	141	37856
There are 3 units of square 7 sharing with square 13 in book 1.				

SQUARE 7			SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM
1379	174	9653	2	19306
1393	176	9751	3	19502
1421	180	9947	5	19894
1477	188	10339	9	20678
1519	194	10633	12	21266
1561	200	10927	15	21854
1589	204	11123	17	22246
1603	206	11221	18	22442
1631	210	11417	20	22834
1673	216	11711	23	23422
1687	218	11809	24	23618
1757	228	12299	29	24598
1799	234	12593	32	25186
1813	236	12691	33	25382
1841	240	12887	35	25774
1883	246	13181	38	26362
1897	248	13279	39	26558
1939	254	13573	42	27146
1967	258	13769	44	27538
1981	260	13867	45	27734
2009	264	14063	47	28126
2023	266	14161	48	28322
2051	270	14357	50	28714
2107	278	14749	54	29498
2149	284	15043	57	30086
2177	288	15239	59	30478

SQUARE 7			SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM
2191	290	15337	60	30674
2219	294	15533	62	31066
2261	300	15827	65	31654
2303	306	16121	68	32242
2317	308	16219	69	32438
2359	314	16513	72	33026
2401	320	16807	75	33614
2429	324	17003	77	34006
2443	326	17101	78	34202
2471	330	17297	80	34594
2513	336	17591	83	35182
2527	338	17689	84	35378
2569	344	17983	87	35966
2597	348	18179	89	36358
2611	350	18277	90	36554
2653	356	18571	93	37142
2681	360	18767	95	37534
2723	366	19061	98	38122
2779	374	19453	102	38906
2807	378	19649	104	39298
2863	386	20041	108	40082
2891	390	20237	110	40474
2933	396	20531	113	41062
2947	398	20629	114	41258
2989	404	20923	117	41846
3017	408	21119	119	42238
3031	410	21217	120	42434
3059	414	21413	122	42826
3073	416	21511	123	43022
3101	420	21707	125	43414
3143	426	22001	128	44002
3199	434	22393	132	44786
3227	438	22589	134	45178
3241	440	22687	135	45374
3269	444	22883	137	45766
3283	446	22981	138	45962
3353	456	23471	143	46942
3409	464	23863	147	47726
3437	468	24059	149	48118
3479	474	24353	152	48706
3493	476	24451	153	48902
3521	480	24647	155	49294
3563	486	24941	158	49882
3577	488	25039	159	50078
3647	498	25529	164	51058
3661	500	25627	165	51254
3703	506	25921	168	51842
3787	518	26509	174	53018
3829	524	26803	177	53606
3871	530	27097	180	54194
3899	534	27293	182	54586
3941	540	27587	185	55174
3983	546	27881	188	55762
3997	548	27979	189	55958
4039	554	28273	192	56546
4067	558	28469	194	56938
4109	564	28763	197	57526

SPACE SHARING BY THE SQUARES

PAIRING BY SQUARE 7.

SQUARE 7			SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM
4151	570	29057	200	58114
4193	576	29351	203	58702
4207	578	29449	204	58898
4249	584	29743	207	59486
4291	590	30037	210	60074
4319	594	30233	212	60466
4333	596	30331	213	60662
4361	600	30527	215	61054
4417	608	30919	219	61838
4487	618	31409	224	62818
4501	620	31507	225	63014
4529	624	31703	227	63406
4571	630	31997	230	63994
4613	636	32291	233	64582

There are 97 units of square 7 sharing with square 14 in book 1.

There are no units of square 7 sharing with square 15 in book 1.

SQUARE 7			SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM
2072	273	14504	3	33152
2296	305	16072	17	36736
2408	321	16856	24	38528
2632	353	18424	38	42112
2744	369	19208	45	43904
2968	401	20776	59	47488
3304	449	23128	80	52864
3416	465	23912	87	54656
3752	513	26264	108	60032
3976	545	27832	122	63616
4088	561	28616	129	65408
4424	609	30968	150	70784

There are 12 units of square 7 sharing with square 16 in book 1.

SQUARE 7			SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM
3808	521	26656	81	64736

There are 1 unit of square 7 sharing with square 17 in book 1.

There are no units of square 7 sharing with square 18 in book 1.

SQUARE 7			SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM
4256	585	29792	45	80864

There are 1 unit of square 7 sharing with square 19 in book 1.

There are no units of square 7 sharing with square 20 in book 1.

This completes the pairing of square 7.

TRUTH TABLE OF SQUARE 7..Not Sharing.

SQUARE 7 WILL NOT SHARE WITH SQUARE 9.

SQUARE 7 WILL NOT SHARE WITH SQUARE 10.

SQUARE 7 WILL NOT SHARE WITH SQUARE 12.

SQUARE 7 WILL NOT SHARE WITH SQUARE 15.

SQUARE 7 WILL NOT SHARE WITH SQUARE 18.

SQUARE 7 WILL NOT SHARE WITH SQUARE 20.

Therefore 7 refuse to share with 6 other squares.

TRUTH TABLE OF SQUARE 7..Sharing.

SQUARE 7 WILL SHARE WITH SQUARE 14, = 97 times.

SQUARE 7 WILL SHARE WITH SQUARE 8, = 36 times.

SQUARE 7 WILL SHARE WITH SQUARE 16, = 12 times.

SQUARE 7 WILL SHARE WITH SQUARE 11, = 5 times.

SQUARE 7 WILL SHARE WITH SQUARE 13, = 3 times.

SQUARE 7 WILL SHARE WITH SQUARE 17, = 1 time.

SQUARE 7 WILL SHARE WITH SQUARE 19, = 1 time.

There are 155 units of square 7 sharing with other squares in book 1.

An inventor must look at his idea..the idea may look fine on the back of an envelop or on the drawing board - but does it work ?! Someone else could have thought of it and already found out it didn't.

If you think the idea has a strong ecological selling point, like 'OZONE FRIENDLY', then you may have to commission an environmental assessment to check your claims. At this stage you should make sure your idea does not substitute one environmental problem for a worse one !

Even if the principles of your invention are sound you may still have to build a prototype or even develop a fully costed pilot scheme to show other people it works. Ideally involving potential customers free of charge in the pilot scheme will give you valuable feedback.

But if you can't yet set up a pilot scheme you could be asking..."I am sure it is OZONE FRIENDLY..but there do appear to be a certain drawback !"

Yes, a drawback in a very simple term.."CASH".

Over the last few years,much work has been done through other firms,in which they can market such products developed for me without cost to me. This works very well,because such products can get tested on the open market before I actually apply them to the project in which I am working on. The feedback from the market tells me the view of the public and the technical problems if any exists.

SPACE SHARING BY THE SQUARES.

PAIRING OF SQUARE 8.

There are no units of square 8 sharing with square 9 in book 1.

There are no units of square 8 sharing with square 10 in book 1.

SQUARE 8			SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM
748	63	5984	9	8228
836	74	6688	17	9196
1012	96	8096	33	11132
1276	129	10208	57	14036
1364	140	10912	65	15004
1626	173	13024	89	17908
1804	195	14432	105	19844
1892	206	15136	113	20812
2068	228	16544	129	22748
2332	261	18656	153	25652
2596	294	20768	177	28556
2684	305	21472	185	29524
2948	338	23584	209	32428
3124	360	24992	225	34364
3212	371	25696	233	35332
3476	404	27808	257	38236
3652	426	29216	273	40172
3916	459	31328	297	43076
4268	503	34144	329	46948
4444	525	35552	345	48884
4532	536	36256	353	49852
There are 21 units of square 8 sharing with square 11 in book 1.				

There are no units of square 8 sharing with square 12 in book 1.

SQUARE 8			SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM
1196	119	9568	9	15548
1508	158	12064	33	19604
1612	171	12896	41	20956
1924	210	15392	65	25012
2132	236	17056	81	27716
2236	249	17888	89	29068
2444	275	19552	105	31772
2756	314	22048	129	35828
3068	353	24544	153	39884
3172	366	25376	161	41236
3484	405	27872	185	45292
3692	431	29536	201	47996
3796	444	30368	209	49348
4108	483	32864	233	53404
4316	509	34528	249	56108
There are 15 units of square 8 sharing with square 13 in book 1.				

There are no units of square 8 sharing with square 14 in book 1.

There are no units of square 8 sharing with square 15 in book 1.

There are no units of square 8 sharing with square 16 in book 1.

SQUARE 8			SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM
2516	284	20128	5	42772
2788	318	22304	21	47396
2924	335	23392	29	49708
3196	369	25568	45	54332
3604	420	28832	69	61268
4012	471	32096	93	68204
4148	488	33184	101	70516
4556	539	36448	125	77452
There are 8 units of square 8 sharing with square 17 in book 1.				

There are no units of square 8 sharing with square 18.

SQUARE 8			SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM
3572	416	28576	9	67868
4028	473	32224	33	76532
4484	530	35872	57	85196
There are 3 units of square 8 sharing with square 19 in book 1.				

There are no units of square 8 sharing with square 20.

This completes the pairing of square 8.

TRUTH TABLE FOR SQUARE 8..Not Sharing.

SQUARE 8 WILL NOT SHARE WITH SQUARE 9.

SQUARE 8 WILL NOT SHARE WITH SQUARE 10.

SQUARE 8 WILL NOT SHARE WITH SQUARE 12.

SQUARE 8 WILL NOT SHARE WITH SQUARE 14.

SQUARE 8 WILL NOT SHARE WITH SQUARE 15.

SQUARE 8 WILL NOT SHARE WITH SQUARE 16.

SQUARE 8 WILL NOT SHARE WITH SQUARE 18.

SQUARE 8 WILL NOT SHARE WITH SQUARE 20.

There are 8 options not shared by square 8.

TRUTH TABLE OF SQUARE 8...sharing

SQUARE 8 WILL SHARE WITH SQUARE 11, = 21 times.

SQUARE 8 WILL SHARE WITH SQUARE 13, = 15 times.

SQUARE 8 WILL SHARE WITH SQUARE 17, = 8 times.

SQUARE 8 WILL SHARE WITH SQUARE 19, = 3 times.

In book 1, square 8 shares with another square 47 times.

CORRECTING SQUARE 20 FROM BOOK 1, TO MEET THE MATHEMATICAL REQUIREMENTS.

22	380	339	61	102	300	121	279	240	162	179	221	160	242	99	301	80	322	19	381
399	1	42	360	319	81	260	142	181	219	202	200	261	139	282	120	341	59	362	40
3	397	64	338	297	103	278	124	217	183	198	204	137	263	118	284	57	343	384	18
378	24	357	43	84	318	143	257	164	238	223	177	244	158	303	97	324	78	37	363
26	376	335	65	106	296	255	145	236	166	175	225	156	246	95	305	76	326	15	385
395	5	46	356	315	85	126	276	185	215	206	196	265	135	286	116	345	55	366	36
373	27	354	48	293	107	148	254	213	187	194	208	133	267	114	288	53	347	34	368
8	394	67	333	88	314	273	127	168	234	227	173	248	154	307	93	328	74	387	13
30	372	49	351	312	90	251	149	190	212	171	229	152	250	91	309	72	330	11	389
391	9	332	70	109	291	130	272	231	169	210	192	269	131	290	112	349	51	370	32
369	31	350	52	289	111	270	132	209	191	232	170	129	271	110	292	331	69	392	10
12	390	71	329	92	310	151	249	172	230	189	211	252	150	311	89	50	352	29	371
388	14	327	73	308	94	247	153	228	174	167	233	274	128	87	313	68	334	7	393
33	367	54	348	113	287	134	268	193	207	214	188	147	253	294	108	353	47	374	28
365	35	346	56	285	115	266	136	205	195	186	216	125	275	316	86	45	355	396	6
16	386	75	325	96	306	155	245	176	226	235	165	256	146	105	295	336	66	25	375
38	364	323	77	304	98	243	157	224	178	163	237	144	258	83	317	358	44	377	23
383	17	58	344	117	283	138	264	197	203	218	184	277	123	298	104	63	337	4	398
361	39	342	60	281	119	262	140	201	199	182	220	259	141	320	82	41	359	400	2
20	382	79	321	100	302	159	241	180	222	239	161	122	280	101	299	340	62	21	379

SQUARE = 20
 LEVEL = 2
 GROUP = 2
 TOTAL SQS = 400
 LINE VALUE = 4010
 SUM = 80200
 HORIZONTAL DIF = 44
 VERTICLE DIF = 82
 SQ.1. = 4 SQS.
 SQ.2. = 12 SQS.
 SQ.3. = 20 SQS.
 SQ.4. = 28 SQS.
 SQ.5. = 36 SQS.
 SQ.6. = 44 SQS.
 SQ.7. = 52 SQS.
 SQ.8. = 60 SQS.
 SQ.9. = 68 SQS.
 SQ.10. = 76 SQS.
 OPTIONS = 42

CORRECTING SQUARE 18 FROM BOOK 1, TO MEET THE MATHEMATICAL REQUIREMENTS.

1	323	56	270	73	251	128	198	316	9	200	126	217	107	272	54	17	307
306	20	287	37	234	92	215	109	298	27	143	181	90	236	71	253	290	36
22	304	39	285	94	232	111	213	280	45	183	141	238	88	51	273	310	16
321	3	268	58	249	75	196	130	262	63	124	202	105	219	256	70	33	291
5	319	60	266	77	247	132	194	244	81	204	122	85	239	276	50	293	31
302	24	283	41	230	96	211	113	226	99	122	204	222	104	67	257	14	312
26	300	43	281	98	228	115	209	208	117	119	205	242	84	259	65	314	12
317	7	264	62	245	79	192	134	190	135	188	138	101	223	48	278	29	295
149	162	161	160	159	158	157	156	153	171	170	152	174	150	177	147	189	180
176	163	164	165	166	167	168	169	154	172	155	173	151	175	148	178	136	145
30	296	47	277	102	224	187	137	146	179	191	133	246	80	263	61	318	8
313	11	260	66	241	83	120	206	118	207	116	210	97	227	44	282	25	299
13	311	68	258	221	103	140	186	100	225	212	114	229	95	284	42	301	23
294	32	275	49	86	240	203	121	82	243	131	193	78	248	59	265	6	320
34	292	255	69	106	220	123	201	64	261	195	129	250	76	267	57	322	4
309	15	52	274	237	87	184	142	46	279	112	214	93	231	40	286	21	303
289	35	72	254	89	235	144	182	28	297	216	110	233	91	288	38	305	19
18	308	271	53	218	108	199	125	10	315	127	197	74	252	55	269	2	324

SQUARE = 18
 LEVEL = 2
 GROUP = 3
 TOTAL SQS = 324
 LINE VALUE = 2925
 SUM = 52650
 OPTIONS = 38
 HORIZONTAL DIF = 2
 VERTICAL DIF = 36
 SQ.1. = 4 SQS.
 SQ.2. = 12 SQS.
 SQ.3. = 20 SQS.
 SQ.4. = 28 SQS.
 SQ.5. = 36 SQS.
 SQ.6. = 44 SQS.
 SQ.7. = 52 SQS.
 SQ.8. = 60 SQS.
 SQ.9. = 68 SQS.

Inventor needs to know if he can get research and development funds ?

Probably not. The ideal environmental innovation should be immediately saleable with minimum R & D. Only large companies can afford heavy commitment to R & D programmes and even then they may get it wrong. Unless you're appropriately qualified or experienced in R & D it's easy to underestimate the cost and timescales. Many entrepreneurs find it hard to know when to stop researching and start selling.

You should ask yourself can you afford the time and effort of extensive R & D ? Do you have access to the facilities and expertise ? Are timescales crucial or can you afford to build prototypes or develop and run a pilot project in your spare time to test the idea out ? If you set R & D targets will you be able to step back and seriously reassess your prospects if you don't meet them ?

I must now state that the time has now gone for R & D, a pilot project must start as soon as humanly possible. The Pilot project shall be STARSHIP EZEKIEL PHASE 2 as this will test out 2 projects at the same time, saving both time and cost. It will be a far cheaper cost than the S.E.G. for domestic use at this time.

Remember that all of my R & D programmes needs considerable resources, will they be available when needed ?

SPACE SHARING BY THE SQUARES.

PAIRING OF SQUARE 9.

SQUARE 9 WILL NOT SHARE WITH SQUARE 10.

SQUARE 9 WILL NOT SHARE WITH SQUARE 11.

SQUARE 9 WILL NOT SHARE WITH SQUARE 12.

SQUARE 9 WILL NOT SHARE WITH SQUARE 13.

SQUARE 9 WILL NOT SHARE WITH SQUARE 14.

SQUARE 9 WILL NOT SHARE WITH SQUARE 15.

SQUARE 9 WILL NOT SHARE WITH SQUARE 16.

SQUARE 9 WILL NOT SHARE WITH SQUARE 17.

SQUARE 9 WILL NOT SHARE WITH SQUARE 18.

SQUARE 9 WILL NOT SHARE WITH SQUARE 19.

SQUARE 9 WILL NOT SHARE WITH SQUARE 20.

This completes square 9 sharing in book 1.

PAIRING OF SQUARE 10.

SQUARE 10 WILL NOT SHARE WITH SQUARE 11.

SQUARE 10 WILL NOT SHARE WITH SQUARE 12.

SQUARE 10 WILL NOT SHARE WITH SQUARE 13.

SQUARE 10 WILL NOT SHARE WITH SQUARE 14.

SQUARE 10 WILL NOT SHARE WITH SQUARE 15.

SQUARE 10 WILL NOT SHARE WITH SQUARE 16.

SQUARE 10 WILL NOT SHARE WITH SQUARE 17.

SQUARE 10 WILL NOT SHARE WITH SQUARE 18.

SQUARE 10 WILL NOT SHARE WITH SQUARE 19.

SQUARE 10 WILL NOT SHARE WITH SQUARE 20.

This completes square 10 sharing in book 1.

PAIRING OF SQUARE 11.

There are no units of square 11 sharing with square 12 in book 1.

SQUARE 11			SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM
1144	45	12584	5	14872
1573	84	17303	38	20449
1859	110	20449	60	24167
2288	149	25168	93	29744
2431	162	26741	104	31603
2717	188	29887	126	35321
3289	240	36179	170	42757
4147	318	45617	236	53911
4433	344	48763	258	57629
4576	357	50336	269	59488
There are 10 units of square 11 sharing with square 13 in book 1.				

There are no units of square 11 sharing with square 14 in book 1.

There are no units of square 11 sharing with square 15 in book 1.

SQUARE 11			SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM
2552	173	28072	33	40832
2728	189	30008	44	43648
3256	237	35816	77	52096
3608	269	39688	99	57728
3784	285	41624	110	60544
4136	317	45496	132	66176
There are 6 units of square 11 sharing with square 16 in book 1.				

SQUARE 11			SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM
2992	213	32912	33	50864
3179	230	34969	44	54043
4301	332	47311	110	73117
There are 3 units of square 11 sharing with square 17 in book 1.				

There are no units of square 11 sharing with square 18 in book 1.

SQUARE 11			SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM
3971	302	43681	30	75449
There are 1 unit of square 11 sharing with square 19 in book 1.				

There are no units of square 11 sharing with square 20 in book 1.

This completes the square 11 sharing.

TRUTH TABLE FOR SQUARE 11..Not Sharing

SQUARE 11 WILL NOT SHARE WITH SQUARE 12.

SQUARE 11 WILL NOT SHARE WITH SQUARE 14.

SQUARE 11 WILL NOT SHARE WITH SQUARE 15.

SQUARE 11 WILL NOT SHARE WITH SQUARE 18.

SQUARE 11 WILL NOT SHARE WITH SQUARE 20.

Square 11 will not share with 5 options in book 1.

TRUTH TABLE FOR SQUARE 11..Sharing

SQUARE 11 WILL SHARE WITH SQUARE 13, = 10 times.

SQUARE 11 WILL SHARE WITH SQUARE 16, = 6 times.

SQUARE 11 WILL SHARE WITH SQUARE 17, = 3 times.

SQUARE 11 WILL SHARE WITH SQUARE 19, = 1 time.

There are 20 units shared by square 11 in book 1.

I hope by now that you are getting the message that to make an S.E.G., you need to know a lot of data.

There is just one more square in book 1 that needs to be corrected to fit the requirement of the mathematical rule, it is square 16.

18	240	207	49	192	66	143	113	146	112	79	177	64	194	15	241
255	1	34	224	81	175	98	160	127	129	162	96	209	47	226	32
237	19	52	206	173	83	158	100	109	147	94	164	45	211	30	228
4	254	221	35	68	190	115	141	132	126	179	77	196	62	243	13
252	6	203	53	86	172	139	117	150	108	75	181	60	198	11	245
21	235	38	220	187	69	102	156	123	133	166	92	213	43	230	28
233	23	218	40	169	87	120	138	105	151	90	168	41	215	26	232
8	250	55	201	72	186	153	103	136	122	183	73	200	58	247	9
248	10	199	57	184	74	135	121	154	104	71	185	56	202	7	249
25	231	42	216	89	167	106	152	119	137	170	88	217	39	234	24
229	27	214	44	165	91	124	134	101	155	188	70	37	219	22	236
12	246	59	197	76	182	149	107	140	118	85	171	204	54	251	5
244	14	195	61	180	78	131	125	116	142	67	189	222	36	3	253
29	227	46	212	93	163	110	148	157	99	174	84	51	205	238	20
225	31	210	48	161	95	128	130	97	159	82	176	33	223	256	2
16	242	63	193	80	178	145	111	144	114	191	65	208	50	17	239

SQUARE = 16
 LEVEL = 2
 GROUP = 2
 LINE VALUE = 2056
 SUM = 32896
 OPTIONS = 34
 SQ.1. = 4 SQS.
 SQ.2. = 12 SQS.
 SQ.3. = 20 SQS.
 SQ.4. = 28 SQS.
 SQ.5. = 36 SQS.
 SQ.6. = 44 SQS.
 SQ.7. = 52 SQS.
 SQ.8. = 60 SQS.

SPACE SHARING BY THE SQUARES.

PAIRING BY SQUARE 12.

SQUARE 12 WILL NOT SHARE WITH SQUARE 13.

SQUARE 12 WILL NOT SHARE WITH SQUARE 14.

SQUARE 12 WILL NOT SHARE WITH SQUARE 15.

SQUARE 12 WILL NOT SHARE WITH SQUARE 16.

SQUARE 12 WILL NOT SHARE WITH SQUARE 17.

SQUARE 12 WILL NOT SHARE WITH SQUARE 18.

SQUARE 12 WILL NOT SHARE WITH SQUARE 19.

SQUARE 12 WILL NOT SHARE WITH SQUARE 20.

That completes the sharing of square 12 in book 1.

PAIRING OF SQUARE 13.

There are no units of square 13 sharing with square 14 in book 1.

There are no units of square 13 sharing with square 15 in book 1.

SQUARE 13			SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM
2392	101	31096	23	38272
3016	149	39208	62	48256
3224	165	41912	75	51584
3848	213	50024	114	61568
4264	245	55432	140	68224
4472	261	58136	153	71552
There are 6 units of square 13 sharing with square 16 in book 1.				

SQUARE 13			SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM
2873	138	37349	26	48841
3536	189	45968	65	60112
3757	206	48841	78	63869
There are 3 units of square 13 sharing with square 17 in book 1.				

There are no units of square 13 sharing with square 18 in book 1.

SQUARE 13			SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM
3952	221	51376	29	75088
There are 1 unit of square 13 sharing with square 19 in book 1.				

There are no units of square 13 sharing with square 20 in book 1.

This completes the sharing of square 13

TRUTH TABLE FOR SQUARE 13..Not Sharing

SQUARE 13 WILL NOT SHARE WITH SQUARE 14.

SQUARE 13 WILL NOT SHARE WITH SQUARE 15.

SQUARE 13 WILL NOT SHARE WITH SQUARE 18.

SQUARE 13 WILL NOT SHARE WITH SQUARE 20.

Square will not share with 4 options in book 1.

TRUTH TABLE FOR SQUARE 13..Sharing

SQUARE 13 WILL SHARE WITH SQUARE 16, = 6 times.

SQUARE 13 WILL SHARE WITH SQUARE 17, = 3 times.

SQUARE 13 WILL SHARE WITH SQUARE 19, = 1 time.

Book 1 has only 10 units where square 13 will share with another square. Bear in mind that no matter how many times you can re-arrange the individual values within a square, that square can only present just so many options at any one time. For instance square 3 can only offer 8 options at any one time. Square 4 can only offer 10 options at any one time. Remember what my dream states..the LAW OF NATURE IS 2. and that 2 states has to be present. So the options available at any one time must follow that LAW..so $3 \times 2 + 2 = 8$. So we can present a table for all the squares in book 1, as the options follow a natural LAW $x 2 + 2$.

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42

SQUARES IN BOOK 1.

OPTIONS AVAILABLE IN BOOK 1.

SPACE SHARING BY THE SQUARES.

PAIRING OF SQUARE 14.

SQUARE 14 WILL NOT SHARE WITH SQUARE 15.

SQUARE 14 WILL NOT SHARE WITH SQUARE 16.

SQUARE 14 WILL NOT SHARE WITH SQUARE 17.

SQUARE 14 WILL NOT SHARE WITH SQUARE 18.

SQUARE 14 WILL NOT SHARE WITH SQUARE 19.

SQUARE 14 WILL NOT SHARE WITH SQUARE 20.

This completes the pairing of square 14.

PAIRING OF SQUARE 15.

SQUARE 15 WILL NOT SHARE WITH SQUARE 16.

SQUARE 15 WILL NOT SHARE WITH SQUARE 17.

SQUARE 15 WILL NOT SHARE WITH SQUARE 18.

SQUARE 15 WILL NOT SHARE WITH SQUARE 19.

SQUARE 15 WILL NOT SHARE WITH SQUARE 20.

This completes the sharing of square 15.

PAIRING OF SQUARE 16.

SQUARE 16			SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM
2584	35	41344	9	43928
3128	69	50048	41	53176
3944	120	63104	89	67048
4216	137	67456	105	71672
There are 4 units of square 16 sharing with square 17 in book 1.				

There are no units of square 16 sharing with square 18 in book 1.

SQUARE 16			SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM
3496	92	55936	5	66424
4408	149	70528	53	83752
There are 2 units of square 16 sharing with square 19 in book 1.				

There are no units of square 16 sharing with square 20 in book 1.

TRUTH TABLE FOR SQUARE 16..Not Sharing.

SQUARE 16 WILL NOT SHARE WITH SQUARE 18.

SQUARE 16 WILL NOT SHARE WITH SQUARE 20.

2 options only square 16 will not share with in book 1.

TRUTH TABLE FOR SQUARE 16..Sharing

SQUARE 16 WILL SHARE WITH SQUARE 17, = 4 times.

SQUARE 16 WILL SHARE WITH SQUARE 19, = 2 times.

In book 1 square 16 shares with 6 other squares.

PAIRING OF SQUARE 17.

SQUARE 17 WILL NOT SHARE WITH SQUARE 18.

SQUARE 17 WILL NOT SHARE WITH SQUARE 19.

SQUARE 17 WILL NOT SHARE WITH SQUARE 20.

This completes square 17 sharing.

PAIRING OF SQUARE 18.

SQUARE 18 WILL NOT SHARE WITH SQUARE 19.

SQUARE 18 WILL NOT SHARE WITH SQUARE 20.

This completes the square 18 sharing.

PAIRING OF SQUARE 19.

SQUARE 19 WILL NOT SHARE WITH SQUARE 20.

This completes square 19 sharing.

SEARL TECHNOLOGY AIMS ARE :-

Improved time usage..no longer need for personnel to carry around paperwork. More time is spent actually doing the job.

Faxes, internal post and printouts will be distributed when they arrive not when a 'messenger' is free.

Increase security by the paperwork going directly to where it is wanted. No chance of loss or damage.

A system that can be installed in both new and existing buildings.

For me to keep ahead of competition I always need to investigate new working methods. New ways of improving efficiency. But sometimes that is not simple. It is all too easy to do things out of habit rather than taking a step back to consider alternatives. I may have to change some of the traditional thinking to be able to improve the efficiency of my technology.

SPACE SHARING BY THE SQUARES.

SHARING BETWEEN SQUARES 3,4 and 5.

SQUARE 3			SQUARE 4		SQUARE 5	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
90	27	270	16	360	7	450
150	47	450	31	600	19	750
270	87	810	61	1080	43	1350
330	107	990	76	1320	55	1650
390	127	1170	91	1560	67	1950
510	167	1530	121	2040	91	2550
570	187	1710	136	2280	103	2850
690	227	2070	166	2760	127	3450
750	247	2250	181	3000	139	3750

There are 9 units which square 3 will share with square 4 and 5 in book 1.

There are no units of square 3,4 and 6 sharing in book 1.

SQUARE 3			SQUARE 4		SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
294	95	882	67	1176	19	2058
462	151	1386	109	1848	43	3234
546	179	1638	130	2184	55	3822
714	235	2142	172	2856	79	4998
798	263	2394	193	3192	91	5586

There are 5 units of square 3 sharing with squares 4 and 7 in book 1.

There are no units of square 3 sharing with squares 4 and 8 in book 1.

SQUARE 3			SQUARE 4		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
414	135	1242	97	1656	7	3726
486	159	1458	115	1944	17	4374
522	171	1566	124	2088	19	4698
558	183	1674	133	2232	23	5022
594	195	1782	142	2376	27	5346
666	219	1998	160	2664	35	5994
702	231	2106	169	2808	39	6318
738	243	2214	178	2952	43	6642
774	255	2322	187	3096	47	6966
846	279	2538	205	3384	55	7614

There are 10 units of square 3 sharing with squares 4 and 9 in book 1.

There are no units of square 3 sharing with squares 4 and 10 in book 1.

The average heart beats about 70 times a minute. In your lifetime your's will have given over 2,000 million beats.

SQUARE 3			SQUARE 4		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
726	239	2178	175	2904	7	7986

There are 1 unit of square 3 sharing with squares 4 and 11 in book 1.

SQUARE 3			SQUARE 4		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
894	295	2682	217	3576	4	10728
906	299	2718	220	3624	5	10872
942	311	2826	229	3768	8	11304
978	323	2934	238	3912	11	11736
1002	331	3006	244	4008	13	12024
1014	335	3042	247	4056	14	12168
1038	343	3114	253	4152	16	12456
1074	355	3222	262	4296	19	12888
1086	359	3258	265	4344	20	13032
1146	379	3438	280	4584	25	13752
1158	383	3474	283	4632	26	13896
1182	391	3546	289	4728	28	14184
1194	395	3582	292	4776	29	14328
1266	419	3798	310	5064	35	15192
1338	443	4014	328	5352	41	16056
1362	451	4086	334	5448	43	16344
1374	455	4122	337	5496	44	16488
1398	463	4194	343	5592	46	16776
1434	475	4302	352	5736	49	17208
1446	479	4338	355	5784	50	17352
1506	499	4518	370	6024	55	18072
1542	511	4626	379	6168	58	18504
1578	523	4734	388	6312	61	18936
1614	535	4842	397	6456	64	19368
1626	539	4878	400	6504	65	19512
1662	551	4986	409	6648	68	19944
1686	559	5058	415	6744	70	20232
1698	563	5094	418	6792	71	20376
1734	575	5202	427	6936	74	20808
1758	583	5274	433	7032	76	21096
1842	611	5526	454	7368	83	22104
1866	619	5598	460	7464	85	22392
1878	623	5634	463	7512	86	22536
1902	631	5706	469	7608	88	22824
1938	643	5814	478	7752	91	23256
1986	659	5958	490	7944	95	23832
2022	671	6066	499	8088	98	24264
2082	691	6246	514	8328	103	24984
2094	695	6282	517	8376	104	25128
2118	703	6354	523	8472	106	25416
2154	715	6462	532	8616	109	25848
2166	719	6498	535	8664	110	25992
2202	731	6606	544	8808	113	26424
2238	743	6714	553	8952	116	26856
2274	755	6822	562	9096	119	27288
2298	763	6894	568	9192	121	27576
2334	775	7002	577	9336	124	28008
2346	779	7038	580	9384	125	28152
2382	791	7146	589	9528	128	28584

SQUARE 3			SQUARE 4		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2406	799	7218	595	9624	130	28872
2454	815	7362	607	9816	134	29448
2514	835	7542	622	10056	139	30168
2526	839	7578	625	10104	140	30312
2586	859	7758	640	10344	145	31032
2598	863	7794	643	10392	146	31176
2622	871	7866	649	10488	148	31464
2634	875	7902	652	10536	149	31608
2658	883	7974	658	10632	151	31896
2694	895	8082	667	10776	154	32328
2742	911	8226	679	10968	158	32904
2766	919	8298	685	11064	160	33192
2778	923	8334	688	11112	161	33336
2802	931	8406	694	11208	163	33624
2874	955	8622	712	11496	169	34488
2922	971	8766	724	11688	173	35064
2946	979	8838	730	11784	175	35352
2994	995	8982	742	11976	179	35928
3018	1003	9054	748	12072	181	36216
3054	1015	9162	757	12216	184	36648
3126	1039	9378	775	12504	190	37512
3138	1043	9414	778	12552	191	37656
3174	1055	9522	787	12696	194	38088
3246	1079	9738	805	12984	200	38952
3282	1091	9846	814	13128	203	39384
3306	1099	9918	820	13224	205	39672
3342	1111	10026	829	13368	208	40104
3378	1123	10134	838	13512	211	40536
3414	1135	10242	847	13656	214	40968
3428	1139	10278	850	13704	215	41112
3462	1151	10386	859	13848	218	41544
3522	1171	10566	874	14088	223	42264
3558	1183	10674	883	14232	226	42696
3594	1195	10782	892	14376	229	43128
3606	1199	10818	895	14424	230	43272
3642	1211	10926	904	14568	233	43704
3678	1223	11034	913	14712	236	44136
3702	1231	11106	919	14808	238	44424
3714	1235	11142	922	14856	239	44568
3786	1259	11358	940	15144	245	45432
3846	1279	11538	955	15384	250	46152
3858	1283	11574	958	15432	251	46296
3882	1291	11646	964	15528	253	46584
3918	1303	11754	973	15672	256	47016
3954	1315	11862	982	15816	259	47448
3966	1319	11898	985	15864	260	47592
4002	1331	12006	994	16008	263	48024
4038	1343	12114	1003	16152	266	48456
4062	1351	12186	1009	16248	268	48744
4098	1363	12294	1018	16392	271	49176
4146	1379	12438	1030	16584	275	49752
4206	1399	12618	1045	16824	280	50472
4254	1415	12762	1057	17016	284	51048
4278	1423	12834	1063	17112	286	51336
4314	1435	12942	1072	17256	289	51768
4362	1451	13086	1084	17448	293	52344
4398	1463	13194	1093	17592	296	52776

SQUARE 3			SQUARE 4		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4434	1475	13302	1102	17736	299	53208
4458	1483	13374	1108	17832	301	53496
4506	1499	13518	1120	18024	305	54072
4542	1511	13626	1129	18168	308	54504
4566	1519	13698	1135	18264	310	54792
4614	1535	13842	1147	18456	314	55368
There are 112 units of square 3 sharing with squares 4 and 12 in book 1.						

There are no units of square 3 sharing with squares 4 and 13 in book 1.

There are no units of square 3 sharing with squares 4 and 14 in book 1.

There are no units of square 3 sharing with squares 4 and 15 in book 1.

There are no units of square 3 sharing with squares 4 and 16 in book 1.

There are no units of square 3 sharing with squares 4 and 17 in book 1.

There are no units of square 3 sharing with squares 4 and 18 in book 1.

There are no units of square 3 sharing with squares 4 and 19 in book 1.

There are no units of square 3 sharing with squares 4 and 20 in book 1.

This completes the sharing of square 3 with square 4..

TRUTH TABLE FOR SQUARE 3 not sharing with..

SQUARE 4 and SQUARE 6.

SQUARE 4 and SQUARE 8.

SQUARE 4 and SQUARE 10.

SQUARE 4 and SQUARE 13.

SQUARE 4 and SQUARE 14.

SQUARE 4 and SQUARE 15.

SQUARE 4 and SQUARE 16.

SQUARE 4 and SQUARE 17.

SQUARE 4 and SQUARE 18.

SQUARE 4 and SQUARE 19.

SQUARE 4 and SQUARE 20.

TRUTH TABLE FOR SQUARE 3 SHARING..

WITH SQUARE 4 and SQUARE 12, = 112 times.

WITH SQUARE 4 and SQUARE 9, = 10 times.

WITH SQUARE 4 and SQUARE 5, = 9 times.

WITH SQUARE 4 and SQUARE 7, = 5 times.

WITH SQUARE 4 and SQUARE 11, = 1 time.

In book 1, square 3 shares with square 4 plus one other square 137 times.

Before carrying on with these tables, I will give you a break by covering a subject which will effect us all. Some of my readers write me that I do not cover matters of danger which surrounds us. As the media covers that side, I normal cover things which are unknown to them. So I will give my views upon the green house effects.

Ground level OZONE is nasty. Did you know that ?

But in the stratosphere it deflects UV-B solar radiation (wavelength 290 -3320 nm), which is potentially dangerous to life.

Man's activities had never consituted a threat to the OZONE LAYER until the advent of CFCs, which are CHLOROFLUOROCARBON PRODUCTS. While their stability is an advantage for many applications, they longevity of anything up to 130 years means that they can drift as high as the stratosphere, acting as a carrier for chlorine. Under the influence of UV light, chlorine atoms are shed, and the attack on OZONE begins.

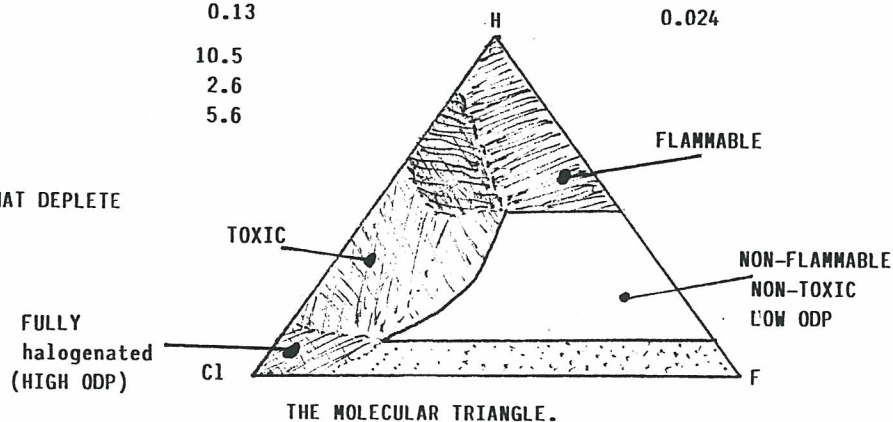
Chlorine combines irreversibly with ozone to yield oxygen and chlorine monoxide. The latter breaks down to liberate a chlorine atom which can again attack an ozone molecule. As a rule of thumb, it is thought that a single chlorine atom can react with up to 100,000 ozone molecules in this way, although the relationship between chlorine concentration and stratospheric ozone depletion is not fully understood. Chlorine levels have increased since 1969 to a present concentration of about 2ppb, while a worldwide decline in ozone of up to 5.5% has been recorded over the same period.

Depending on the longevity and the perceived ozone damage a chemical can do, the Protocol assigns an Ozone Depleting Potential (ODP) to each, with CFC 11 used as a standard. Chemicals with high ODPs are represented in the graph, which shows how the ratio of H, Cl and F affects the properties of CFCs, HCFCs and HFCs. Alternatives under consideration fall into the unshaded area.

The Global Warming Potential (GWP) is the final factor that has to be traded off when fitting a chemical to an application. This is of significance as it is estimated that CFCs are greenhouse gases which account for 20-25% of the global warming effect.

SPECIES	ODP	GWP
CFC 11	1.0	1.0
CFC 12	0.95	3.1
CFC 113	0.85	1.35
CFC 114	0.7	3.9
CFC 115	0.4	7.5
HCFC 22	0.05	0.345
HCFC 123	0.00175	0.0185
HCFC 124	0.020	0.096
HFC 125	0	0.58
HFC 134a	0	0.265
HCFC 141b	0.09	0.0905
HCFC 142b	0.055	0.365
HFC 143a	0	0.74
HFC 152a	0	0.0295
CCl ₄	1.1	0.345
CH ₃ CCl ₃	0.13	0.024
halon 1301	10.5	
halon 1211	2.6	
halon 2402	5.6	

LIST OF CHEMICALS THAT DEplete
THE OZONE LAYER.



Breaking the CFC habit has been a costly business that has caused engineers some rare headaches. At last, however, there is light at the end of the tunnel, with research yielding viable alternatives.

The discovery of a new refrigerant which, it is predicted, will bring about a vast improvement in the world's environment is announced.

The refrigerant, as yet unnamed, is non-toxic, non-inflammable, and has very desirable engineering characteristics for refrigeration.

That article appeared in the wake of a discovery made by Thomas Midgley in 1930. That's just 2 years before I was born. He had just demonstrated the harmlessness of DICHLORODIFLUOROMETHANE, which, as FREON - 12, was to become the world's first commercially produced CHLOROFLUOROCARBON or simply CFC.

FREON - 12 seemed to be the perfect replacement for AMMONIA, the toxic and volatile refrigerant in use at the time. Its non-toxicity, its non-flammability and its stability were characteristics that recommended it for a host of other applications as well.

In reference to AMMONIA, I well know the effects of this chemical, as I used it in my training in the medical field. It was used formaldehyde in preservative of human organs for later study work.

There had to be a catch, in the 1970's scientists noticed the depletion of the stratospheric ozone in a patch over the south polar ice cap..for the clever people the area is called ANTARCTICA.

It has since been established that this phenomenon is linked to the increasing level of stratospheric chlorine, which, among other factors, depends on CFC emissions.

The discovery of patches or 'holes' has been treated with the gravest concern, as more UV-B radiation, potentially dangerous to life, can now reach the earth's surface. While UV light that penetrates holes over the poles does not constitute a threat to most of mankind, it is the FEAR of the BRITISH ANTARCTIC SURVEY (BAS) that ozone depletion may some day be no longer confined to those polar areas where conditions are favourable for ozone breakdown. I feel that there is no room for complacency, as evidence of a world wide decline in ozone levels has already been found.

In response to environmental concern, the UNITED NATIONS ENVIRONMENTAL PROGRAM (UNEP) provides a framework for the phasing out of chemicals that are known to deplete the ozone layer. The 55 UN NATIONS party to the MONTREAL PROTOCOL agreed that the consumption of the worst offending group 1 CFC's should be frozen at 1986 levels, with a graduated decrease to 80% of this by 1993, and to 50% by 1998.

In the light of new knowledge, the phase out schedule will be shortened, and the range of substances included will be increased when the PROTOCOL is amended in June this year. Group 11, comprising the halons, will come under tight control towards achieving a phase out in the next few years. The halons, which are compounds that include any of chlorine, fluorine and bromine, are only used in comparatively small quantities in fire fighting, but their high ODP's mean that they constitute a significant threat to ozone.

The revised PROTOCOL will stipulate that CFC's should have been completely phased out by 1998. CARBON TETRACHLORIDE, with an ODP of 1.2, will no longer be in use by 2000, and METHYL CHLOROFORM (ODP of 0.10) should be out of use shortly after that.

With the expectation that phase out targets are to be tightened, the search for CFC REPLACEMENTS has gained a new urgency, and the potential of the HYDROCHLOROFLUOROCARBONS (HCFC's) is being fully exploited.

An additional HYDROGEN ATOM means that the HCFC's have a reduced lifespan and do not last long enough to ferry CHLORINE up to the stratosphere. Their reduced ODP's, which are typically 10% that of CFC 12, make them suitable temporary substitutes for CFC's until viable long term alternatives are found.

There are mixed views about the control of their use in the meantime. I am in the opinion that tight HCFC regulation will discourage developing countries from moving away from CFC's. Parties to the Protocol will, however, probably settle for HCFC phase out in new equipment by 2030, a fixed end date that should not scare developing countries off.

In the UK alone, an estimated 40,453 tonnes of CFC are used in refrigeration, air conditioning and ventilation systems.

HCFCs 123 and 124 are products from Du Pont replacing CFC 11 in industrial refrigeration applications and CFC 12 in domestic equipment.

No single class of compounds will ever have the versatility offered by CFCs. But a degree of customisation and versatility is possible with a right refrigerant properties can be achieved by blending compounds with HYDROFLUOROCARBONS (HFCs).

These compounds share refrigerant properties with HCFCs, but contribute not at all to ozone depletion, not containing Chlorine. A ternary refrigerant blend of HFC 152a with HCFCs 22 and 124 has been developed under patent by Du Pont to take the place of R500, a CFC refrigerant used primarily in dehumidifiers and chillers.

One American company is committed to solving the world's refrigeration problems with a HELIUM STIRLING CYCLE, but it is more generally accepted that HFCs and HCFCs will have the lion's share of refrigeration applications before long. Du Pont forecasts that HFC 134a will play a leading role as an alternative refrigerant, when its price drops. With a boiling point close to that of CFC 12, it is sufficient to modify, rather than rebuild the existing refrigeration equipment.

Danfoss has just introduced a R134a compressor for use in domestic refrigerators.

It is quite possible that in the short term, AMMONIA may again provide an answer. At present, 56% of the world's industrial refrigerant is still AMMONIA.

Thomas Midgley might have allowed himself a wry smile at the fact that, in 1990, it is considered an acceptable alternative to CFC's.

As well as hunting for alternatives, industrialists and scientists alike are asking what happens to fridges when they die.

The salvaging of refrigerants is encouraged by the environmental protection group FRIENDS OF THE EARTH (FoE), whose senior campaigner, FIONA WEIR, has estimated that 3000 tonnes of CFC, which would otherwise be released into the atmosphere, are available annually for recovery from refrigeration and air conditioning equipment in Britain.

Agree the FRIENDS OF THE EARTH sounds very impressive, and that appears to be all there is..they get on a band wagon to shout but appears to be no DO's. Watching them on television, I am not impressed by their discussion, they lack real FACTS and have no sound knowledge. I have myself and through others tried to phone them and write them upon the environment and solutions which offer an answer..but they do not want to know..so they have called themselves by an incorrect title.

There are many more such fancy name groups in the UK, who look impressive, talk impressive, but do absolutely nothing else. I have written to them and others have on my behalf. We have had their replies. Which shows clearly that they only want to be impressive and get a good wage packet.

With demand for CFCs growing as chemical companies cut production, the reclamation of CFC REFRIGERANTS is likely to become more commercially attractive. Whether or not this is the case, reclamation is at present an environment necessity, as the only method for the destruction of CFCs is prohibitively expensive, involving roasting at more than 1200°C.

Several organisations are already offering reclamation and recycling facilities. UNION CARBIDE has recently invested \$300,000 in a process using a 'molecular sieve' which can be adapted to absorb specific chemical products, including CFCs, which can be recycled after capture.

As you may well know by now that the project 'STARSHIP EZEKIEL PHASE 2 and 3 is going to recycle all forms of waste'.

Northamptonshire County Council has a team with a van and the equipment to tackle abandoned fridges. Once drawn off, the coolant is processed by ICI, which estimates that it should be possible to process 90% of Britain's redundant fridges and freezers by 1995. ICI aims to reclaim not only 150 grams of refrigerant per fridge, but also the 500 grams of CFC 11 that is incorporated as a thermal insulator in the foam of walls and doors of each appliance.

The use of the CFCs as insulation in rigid foams is not restricted to refrigerators, but also extends to lagging in buildings, cars, and hot water systems.

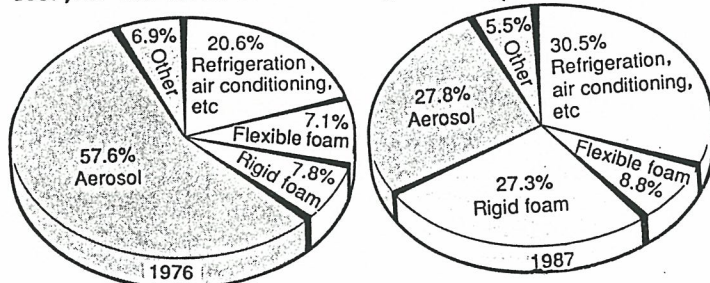
Several features of CFCs make them indispensable for blowing rigid foams. In the first place, CFCs act as a thinner, being miscible with the POLYOL and ISOCYANATE REACTANTS used in foam making. During this exothermic reaction, the boiling points of the CFC blowing agents are in the range which allows them to gassify, taking heat from the system, and inflating the foam simultaneously. In the final product, the CFC is non-toxic, non-flammable, and does not react with the foam. Its high molecular weight gives it a low thermal conductivity in the pores in the foam.

From this list of factors, it is clear that a long term alternative will probably involve the complete reformulation of the foam. As an interim measure, it is possible to blow the foam with a mixture of CFC and CARBON DIOXIDE arising from ISOCYANATE'S REACTION with water. Improvements made in the POLYMER itself mean that this does not compromise the foam's insulating properties.

The long term substitutes will probably be HCFCs 141b and 123, assuming they pass toxicity tests. As they are more expensive than CFC 11, it is most likely that these will be used in conjunction with CARBON DIOXIDE as well.

CFC 11 is passed into flexible foams purely for expansion purposes. The final product contains a network of interconnecting channels through which the CFC escapes a few hours after injection. In this application, manufacturers are changing over to HCFC 22. Because this still has a small ODP, the Government has recommended that, wherever possible, HYDROCARBONS should be used in place of HCFC 22. The fast food packaging industry in the UK is now predominantly BUTANE and PENTANE blown, in spite of the problem of the flammability of HYDROCARBONS.

The aerosol industry has not been put off by this disadvantage, and has adopted BUTANE and PROPANE in place of CFC propellants. In an industry which has traditionally been portrayed as the big baddy in an ozone hostile world, great steps have been taken to protect the ozone layer. In 1976 two thirds of the world's aerosols relied on CFCs as a propellant. By the end of 1989, measure taken by producers meant that 90% of aerosols were CFC free. The 2 graphs below shows sales of CFC 11 and 12 broken down by industry for 1976 and 1987, for the world not including Eastern Europe, Russia and China,



To describe the difficulty of phasing out the CFC, which is not simply a propellant, but is also an integral part of the aerosol formulation.

In a hairspray, which is typically 40% CFC and 60% alcohol, the solubility of the liquefied CFC at the pressure in the can is one factor that affects droplet formation in the spray, when the vaporised CFC acts as a

propellant. It is therefore necessary to reformulate the hairspray when a new propellant is used.

BUTANE and PROPANE are non-toxic and have useful properties in common with CFCs. Under pressure in the aerosol can, they are liquids, and vaporise in the spray. Like CFCs, they have the advantage that the same spray pressure is maintained until almost all the liquid has been expelled.

Their flammability and unsuitability for some medical applications are the only factors that prevent their use in all aerosols.

An alternative avoiding these problems has been developed by the British company SPRAY SYSTEMS, and depends on compressed air as a propellant in a rechargeable aerosols.

The blending of products from Du Pont's DYMEL range means that just four chemicals can be used to meet a range of propellant requirement. DYMEL A and DYMEL 152 represent no threat to ozone; the other components are DYMEL 142 (HCFC 142) with an ODP of 0.06, and HCFC 22, neither of which are listed in the PROTOCOL yet. When mixed, these four will give a range of propellants with flammabilities, solubilities and vapour pressures that suit a variety of aerosols.

A number of ingenious alternatives have been put forward to replace the traditional propellant powered aerosol. Amongst other recommendations, FoE suggests that old fashioned 'scent spray' pump dispensers should be re-evaluated for applications 'from the smallest domestic use to the largest industrial one.' I wonder how seriously this proposal could be taken.

The American company EXXEL has developed a product relying for propulsion not on gas pressure, but on mechanical pressure exerted on a pleated collapsible bottle by a surrounding rubber sheath. It is claimed that this container will expel up to 95% of its contents.

There are several viable substitutes for CFC propellants. But the picture for CFCs as cleaners in the electronics industry is not so rosy. Here, companies are showing little faith in alternatives.

60% of a sample of 100 printed circuit board (PCB) assembly companies are still using CFCs for cleaning, and a third of these will continue to do so until they are banned. This seems to bear out accusations that the electronics industry, whose quota of CFC 113 accounts for 10% of Britain's CFC use, is dragging its environmental heels.

The most promising alternatives to CFC 113 are the TERPENES, which are based on naturally occurring chemicals. They are biodegradable, and have cleaning properties good enough to convince ICI to abandon CHLORINATED CLEANERS in their favour.

They do, however, have the drawback that they are extremely inflammable, and become explosive in the high pressure spray needed to penetrate and clean under components.

Changing to cleaning by water and detergent might well be the answer, were it not for the difficulty of removing tin, lead and copper contaminants before discharge. The surfactants, added to reduce surface tension and increase 'wetting' power, are also a pollutant.

270 UK surface mount companies pointed out the enormous expense of buying treatment plant, on top of the outlay for new water cleaning equipment. Yet in spite of this, water was the favoured alternative of 41% of those questioned.

In the light of the problems with alternative cleaning agents, the answer, is for the manufacturers to redesign surface mount assemblies with a wider gap beneath components. Then there will no longer be a problem with CFC or alternative cleaners, as simple 'dish washer cleaning' will be sufficient.

There are two solutions that avoid the problem of removing flux residue altogether.

The first depends on a 'low solid' flux which leaves almost no deposit on the board during soldering.

The second allows soldering to take place in an inert, oxygen free environment, where no oxide residue will form.

ICI's answer is a versatile cleaning system called CLEANZONE 433. This incorporates heating and refrigeration elements and make it suitable for ultrasonic, boiling, vapour or immersion cleaning, using any of the range of non CFC, reduced CFC and older CFC solvents.

Du Pont's has introduced KCD 9438. Developed after FREON SMT, which was a diluted version of CFC 113, it is a mixture of HYDROCARBONS and surface active components, and can be used with ultrasonic excitation from KERRY ULTRASONICS.

To the end of 1989, Du Pont had invested \$170 million in the search for CFC replacements, which put this company right in the front line of the ozone friendly battle.

A major problem facing companies like Du Pont is that every alternative has its environmental price.

There is no activity of man that will not change the environment..what I am trying to do with the project 'STARSHIP EZEKIEL PHASE 2', is to minimise these effects, and if possible reduce those which man has already created.

Some of the CFC substitutes, notably the HYDROCARBONS, contribute to urban smog, others to the green house effect, through an exorbitant energy cost, I called it a 'headlong rush towards greenness'. At present I feel that many of the alternatives are not cost effective enough to justify a change.

There is another pitfall associated with rapid replacement of CFCs.

With the developed world starting to employ expensive alternatives, there is a danger that the developing world will become alienated. It is important that third world countries are encouraged not to build their industrial infrastructures around CFCs. This could well happen if HCFCs are phased out too soon, with the effect of almost doubling stratospheric CHLORINE concentrations by 2035.

I therefore encourages the use of HCFCs, which is consistent with the achievement of environmental goals.

The depletion of ozone is a threat which could develop into a problem.

I estimate that one of the effects of a 1% decrease in ozone levels should be the blindness of 100,000 people world wide, through increased exposure to UV-B. While this is a frightening statistic, the cost of OZONE FRIENDLINESS is almost as scary. Over the next ten years Du Pont will need to spend \$1bn in the U.S. alone on the commercialisation of alternatives to THOMAS MIDGLEY'S WONDER CHEMICAL and related components.

Yet with the millions spent on stopping the destruction of our planet, I can still see the trees around me here, looking more sick, then they did last year. So what is all this money being spent, actually doing ?

A year ago scientists in the UK were blaming our cows for farting too much, causing the green house effect.

So what is the real cause of the green house effect..the 'cows anus or your can of hair spray ?

I stated that these books will give you the FACTS and the absolute TRUTH, and a start on doing just that has began though its just a wee bit of the data that will in the end be available to you.

Now I will return to the squares, but from time to time I will give you more FACTS.

Did you know hair will grow for 3 to 5 years, then falls out - you lose 50 to 100 hairs daily.

Don't worry so much about crossing the road - almost half of all fatal accidents in the UK will occur in the home !

SPACE SHARING BY THE SQUARES.

SHARING OF SQUARE 3 WITH SQUARES 5 and 6.

SQUARE 3			SQUARE 5		SQUARE 6	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
105	32	315	10	525	1	630
135	42	405	16	675	6	810
165	52	495	22	825	11	990
195	62	585	28	975	16	1170
225	72	675	34	1125	21	1350
255	82	765	40	1275	26	1530
285	92	855	46	1425	31	1710
345	112	1035	58	1725	41	2070
375	122	1125	64	1875	46	2250
435	142	1305	76	2175	56	2610
465	152	1395	82	2325	61	2790

There are 11 units of square 3 sharing with squares 5 and 6 in book 1.

SQUARE 3			SQUARE 5		SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
840	277	2520	157	4200	97	5880

There are 1 unit of square 3 sharing with squares 5 and 7 in book 1.

SQUARE 3			SQUARE 5		SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
300	97	900	49	1500	7	2400
780	257	2340	145	3900	67	6240
1020	337	3060	193	5100	97	8160
1140	377	3420	217	5700	112	9120
1380	457	4140	265	6900	142	11040
1500	497	4500	289	7500	157	12000

There are 6 units of square 3 sharing with squares 5 and 8 in book 1.

SQUARE 3			SQUARE 5		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
360	117	1080	61	1800	1	3240
720	237	2160	133	3600	41	6480
1080	357	3240	205	5400	81	9720
1440	477	4320	277	7200	121	12960

There are 4 units of square 3 sharing with squares 5 and 9 in book 1.

There are no units of square 3 sharing with squares 5 and 10 in book 1.

Did you know that if you never cut your fingernails, by the time you were 65 they'd be almost 6 feet long (barring accidents !) Leave your toenails to flourish and they'd reach a length of almost 2 feet - in open-toe sandals !

There are no units of square 3 sharing with squares 5 and 12 in book 1.

SQUARE 3			SQUARE 5		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1560	517	4680	301	7800	37	20280

There are 1 unit of square 3 sharing with squares 5 and 13.

There are no units of square 3 sharing with squares 5 and 14 in book 1.

SQUARE 3			SQUARE 5		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1920	637	5760	373	9600	17	28800
2400	797	7200	469	12000	49	36000
3840	1277	11520	757	19200	145	57600

There are 3 units of square 3 sharing with squares 5 and 15 in book 1.

This completes the sharing of square 3 with other squares.

TRUTH TABLE FOR SQUARE 3 Not Sharing with 2 others.

SQUARE 3 WILL NOT SHARE WITH :-

SQUARES 5 and 10.

SQUARES 5 and 12.

SQUARES 5 and 14.

SQUARES 5 and 16.

SQUARES 5 and 17.

SQUARES 5 and 18.

SQUARES 5 and 19.

SQUARES 5 and 20.

TRUTH TABLE SQUARE 3 SHARING WITH :-

SQUARES 5 and 6, = 11 times.

SQUARES 5 and 8, = 6 times.

SQUARES 5 and 9, = 4 times.

SQUARES 5 and 15, = 3 times.

SQUARES 5 and 7, = 1 time.

SQUARES 5 and 11, = 1 time.

SQUARES 5 and 13, = 1 time.

There are 27 units of square 3 sharing with square 5 plus one other value in book 1.

Did you know that working women sleep about 1 hour longer than men in a week, but spend 12 hours longer on chores such as house work and ironing, child care and cooking.

Did you know that the experts say that you will have sex a hot 10,000 times in your life ! My word I will have to live a long time to get my share its still well under 30 times and I am nearly 60 years old.

SPACE SHARING OF THE SQUARES.

SHARING OF SQUARE 3 WITH SQUARES 6 and 7.

SQUARE 3			SQUARE 6		SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
189	60	567	15	1134	4	1323
231	74	693	22	1386	10	1617
273	88	819	29	1638	16	1911
357	116	1071	43	2142	28	2499
399	130	1197	50	2394	34	2793
483	158	1449	64	2898	46	3381
609	200	1827	85	3654	64	4263
651	214	1953	92	3906	70	4557
777	256	2331	113	4662	88	5439
861	284	2583	127	5166	100	6027
903	298	2709	134	5418	106	6321
987	326	2961	148	5922	118	6909
1029	340	3087	155	6174	124	7203
1113	368	3339	169	6678	136	7791
1239	410	3717	190	7434	154	8673
1281	424	3843	197	7686	160	8967
There are 16 units of square 3 sharing with squares 6 and 7 in book 1.						

There are no units of square 3 sharing with squares 6 and 8 in book 1.

SQUARE 3			SQUARE 6		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
369	120	1107	45	2214	2	3321
387	126	1161	48	2322	4	3483
423	138	1269	54	2538	8	3807
459	150	1377	60	2754	12	4131
477	156	1431	63	2862	14	4293
513	168	1539	69	3078	18	4617
531	174	1593	72	3186	20	4779
549	180	1647	75	3294	22	4941
603	198	1809	84	3618	28	5427
621	204	1863	87	3726	30	5589
639	210	1917	90	3834	32	5751
657	216	1971	93	3942	34	5913
711	234	2133	102	4266	40	6399
729	240	2187	105	4374	42	6561
747	246	2241	108	4482	44	6723
783	258	2349	114	4698	48	7047
801	264	2403	117	4806	50	7209
837	276	2511	123	5022	54	7533
873	288	2619	129	5238	58	7857
909	300	2727	135	5454	62	8181
927	306	2781	138	5562	64	8343
963	318	2889	144	5778	68	8667
981	324	2943	147	5886	70	8829
999	330	2997	150	5994	72	8991
1017	336	3051	153	6102	74	9153
1053	348	3159	159	6318	78	9477
1107	366	3321	168	6642	84	9963
1143	378	3429	174	6858	88	10287

SQUARE 3			SQUARE 6		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1161	384	3483	177	6966	90	10449
1179	390	3537	180	7074	92	10611
1233	408	3699	189	7398	98	11097
1251	414	3753	192	7506	100	11259
1269	420	3807	195	7614	102	11421
1341	444	4023	207	8046	110	12069
1359	450	4077	210	8154	112	12231
1377	456	4131	213	8262	114	12393
1413	468	4239	219	8478	118	12717
1431	474	4293	222	8586	120	12879
1467	486	4401	228	8802	124	13203
1503	498	4509	234	9018	128	13527
1539	510	4617	240	9234	132	13851
1557	516	4671	243	9342	134	14013
1593	528	4779	249	9558	138	14337
1611	534	4833	252	9666	140	14499
1629	540	4887	255	9774	142	14661
1647	546	4941	258	9882	144	14823
1719	570	5157	270	10314	152	15471
1737	576	5211	273	10422	154	15633
1773	588	5319	279	10638	158	15957
1791	594	5373	282	10746	160	16119
1809	600	5427	285	10854	162	16281
1863	618	5589	294	11178	168	16767
1899	630	5697	300	11394	172	17091
1917	636	5751	303	11502	174	17253
1971	654	5913	312	11826	180	17739
2007	666	6021	318	12042	184	18063
2043	678	6129	324	12258	188	18387
2061	684	6183	327	12366	190	18549
2097	696	6291	333	12582	194	18873
2133	708	6399	339	12798	198	19197
2151	714	6453	342	12906	200	19359
2169	720	6507	345	13014	202	19521
2187	726	6561	348	13122	204	19683
2241	744	6723	357	13446	210	20169
2259	750	6777	360	13554	212	20331
2313	768	6939	369	13878	218	20817
2349	780	7047	375	14094	222	21141
2367	786	7101	378	14202	224	21303
2403	798	7209	384	14418	228	21627
2421	804	7263	387	14526	230	21789
2439	810	7317	390	14634	232	21951
2493	828	7479	399	14958	238	22437
2511	834	7533	402	15066	240	22599
2529	840	7587	405	15174	242	22761
2547	846	7641	408	15282	244	22923
2619	870	7857	420	15714	252	23571
2637	876	7911	423	15822	254	23733
2727	906	8181	438	16362	264	24543
2763	918	8289	444	16578	268	24867
2781	924	8343	447	16686	270	25029
2799	930	8397	450	16794	272	25191
2817	936	8451	453	16902	274	25353
2853	948	8559	459	17118	278	25677
2889	960	8667	465	17334	282	26001
There are 84 units of square 3 sharing with squares 6 and 9 in book 1.						

There are no units of square 3 sharing with squares 6 and 10 in book 1.

SQUARE 3			SQUARE 6		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
759	250	2277	110	4554	10	8349
957	316	2871	143	5742	28	10527
1023	338	3069	154	6138	34	11253
1221	404	3663	187	7326	52	13431
1353	448	4059	209	8118	64	14883
1419	470	4257	220	8514	70	15609
1551	514	4653	242	9306	82	17061
1749	580	5247	275	10494	100	19239
1947	646	5841	308	11682	118	21417
2013	668	6039	319	12078	124	22143
2211	734	6633	352	13266	142	24321
2343	778	7029	374	14058	154	25773
2409	800	7227	385	14454	160	26499
2607	866	7821	418	15642	178	28677
2739	910	8217	440	16434	190	30129
2937	976	8811	473	17622	208	32307
3201	1064	9603	517	19206	232	35211
3333	1108	9999	539	19998	244	36663
3399	1130	10197	550	20394	250	37389
3531	1174	10593	572	21186	262	38841
3597	1196	10791	583	21582	268	39567
3729	1240	11187	605	22374	280	41019
3993	1328	11979	649	23958	304	43923
4191	1394	12573	682	25146	322	46101
4323	1438	12969	704	25938	334	47553
4521	1504	13563	737	27126	352	49731
4587	1526	13761	748	27522	358	50457
There are 27 units of square 3 sharing with squares 6 and 11 in book 1.						

There are no units of square 3 sharing with squares 6 and 12 in book 1.

SQUARE 3			SQUARE 6		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1131	374	3393	172	6786	4	14703
1209	400	3627	185	7254	10	15717
1443	478	4329	224	8658	28	18759
1599	530	4797	250	9594	40	20787
1677	556	5031	263	10062	46	21801
1833	608	5499	289	10998	58	23829
2067	686	6201	328	12402	76	26871
2301	764	6903	367	13806	94	29913
2379	790	7137	380	14274	100	30927
2613	868	7839	419	15678	118	33969
2769	920	8307	445	16614	130	35997
2847	946	8541	458	17082	136	37011
3081	1024	9243	497	18486	154	40053
3237	1076	9711	523	19422	166	42081
3471	1154	10413	562	20826	184	45123
3783	1258	11349	614	22698	208	49179
3939	1310	11817	640	23634	220	51207
4017	1336	12051	653	24102	226	52221

SQUARE 3			SQUARE 6		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4173	1388	12519	679	2503	238	54249
4251	1414	12753	692	25506	244	55263
4407	1466	13221	718	26442	256	57291
There are 21 units of square 3 sharing with squares 6 and 13 in book 1.						

There are no units of square 3 sharing with squares 6 and 14 in book 1.

There are no units of square 3 sharing with squares 6 and 15 in book 1.

There are no units of square 3 sharing with squares 6 and 16 in book 1.

SQUARE 3			SQUARE 6		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2703	898	8109	434	16218	16	45951
3009	1000	9027	485	18054	34	51153
3111	1034	9333	502	18666	40	52887
3417	1136	10251	553	20502	58	58089
3621	1204	10863	587	21726	70	61557
3723	1238	11169	604	22338	76	63291
4029	1340	12087	655	24174	94	68493
4233	1408	12699	689	25398	106	71961
4539	1510	13617	740	27234	124	77163
There are 9 units of square 3 sharing with squares 6 and 17 in book 1.						

There are no units of square 3 sharing with squares 6 and 18 in book 1.

SQUARE 3			SQUARE 6		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3477	1156	10431	563	20862	4	66063
3819	1270	11457	620	22914	22	72561
4047	1346	12141	658	24282	34	76893
4161	1384	12483	677	24966	40	79059
4503	1498	13509	734	27018	58	85557
There are 5 units of square 3 sharing with squares 6 and 19 in book 1.						

There are no units of square 3 sharing with squares 6 and 20 in book 1.

This completes the sharing of square 3 with square 6 plus one other square.

Do you know what a LIPOSUCTION is ?

Its a thin metal tube called a cannular, attached to a flexible suction tube and pump, is put under skin in area where fat is to be removed and fat's then sucked out. For small area like calves or tops of arms, anaesthetic is all that's required.

For large areas like tummies, general anaesthetic is used. Bruising can be bad afterwards but scars, usually less than $\frac{1}{2}$ inch long, fade quickly. Cost in Britain starts at around £1,250 for a small spot fat removal. At least, hospitals will never be short of fat for cooking.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 6 and 8.

SQUARE 6 and 10.

SQUARE 6 and 12.

SQUARE 6 and 14.

SQUARE 6 and 15.

SQUARE 6 and 16.

SQUARE 6 and 18.

SQUARE 6 and 20.

TRUTH TABLE OF SQUARE 3 SHARING WITH

SQUARE 6 and 9, = 84 times.

SQUARE 6 and 11, = 27 times.

SQUARE 6 and 13, = 21 times.

SQUARE 6 and 7, = 16 times.

SQUARE 6 and 17, = 9 times.

SQUARE 6 and 19, = 5 times.

There are 162 units that square 3 shares with square 6 and another square in book 1.

SQUARE 3			SQUARE 7		SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
252	81	756	13	1764	1	2016
588	193	1764	61	4116	43	4704
1428	473	4284	181	9996	148	11424
1596	529	4788	205	11172	169	12768
1932	641	5796	253	13524	211	15456
2436	809	7308	325	17052	274	19488
2604	865	7812	349	18228	295	20832
3108	1033	9324	421	21756	358	24864
3444	1145	10332	469	24108	400	27552
3612	1201	10836	493	25284	421	28896
3948	1313	11844	541	27636	463	31584
4116	1369	12348	565	28812	484	32928
4452	1481	13356	613	31164	526	35616
There are 13 units of square 3 sharing with squares 6 and 8 in book 1.						

SQUARE 3			SQUARE 7		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
504	165	1512	49	3528	17	4536
1008	333	3024	121	7056	73	9072
1512	501	4536	193	10584	129	13608
2016	669	6048	265	14112	185	18144
3024	1005	9072	409	21168	297	27216
4032	1341	12096	553	28224	409	36288

There are 6 units of square 3 sharing with squares 7 and 9 in book 1.

There are no units of square 3 sharing with squares 7 and 10 in book 1.

SQUARE 3			SQUARE 7		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1848	613	5544	241	12936	109	20328
3696	1229	11088	505	25872	277	40656
There are 2 units of square 3 sharing with squares 7 and 11 in book 1.						

There are no units of square 3 sharing with squares 7 and 12 in book 1.

SQUARE 3			SQUARE 7		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4368	1453	13104	601	30576	253	56784
There are 1 unit of square 3 sharing with squares 7 and 13 in book 1.						

There are no units of square 3 sharing with squares 7 and 14 in book 1.

There are no units of square 3 sharing with squares 7 and 15 in book 1.

SQUARE 3			SQUARE 7		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3192	1061	9576	433	22344	73	51072
3864	1285	11592	529	27048	115	61824
There are 2 units of square 3 sharing with squares 7 and 16 in book 1.						

This completes the sharing of square 3 with square 7 plus another square.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 7 and 10.

SQUARE 7 and 12.

SQUARE 7 and 14.

SQUARE 7 and 15.

SQUARE 7 and 17.

SQUARE 7 and 18.

SQUARE 7 and 19.

SQUARE 7 and 20.

TRUTH TABLE OF SQUARE 3 SHARING WITH

SQUARE 7 and 8, = 13 times.

SQUARE 7 and 9, = 6 times.

SQUARE 7 and 11, = 2 times.

SQUARE 7 and 16, = 2 times.

SQUARE 7 and 13, = 1 time.

There are 24 units of square 3 sharing with square 7 and another square in book 1.

SQUARE 3			SQUARE 8		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
396	129	1188	19	3168	5	3564
468	153	1404	28	3744	13	4212
612	201	1836	46	4896	29	5508
684	225	2052	55	5472	37	6156
828	273	2484	73	6624	53	7452
972	321	2916	91	7776	69	8748
1044	345	3132	100	8352	77	9396
1116	369	3348	109	8928	85	10044
1332	441	3996	136	10656	109	11988
1476	489	4428	154	11808	125	13284
1548	513	4644	163	12384	133	13932
1692	561	5076	181	13536	149	15228
1836	609	5508	199	14688	165	16524
1908	633	5724	208	15264	173	17172
2052	681	6156	226	16416	189	18468
2124	705	6372	235	16992	197	19116
2196	729	6588	244	17568	205	19764
2412	801	7236	271	19296	229	21708
2484	825	7452	280	19872	237	22356
2556	849	7668	289	20448	245	23004
2628	873	7884	298	21024	253	23652
2844	945	8532	325	22752	277	25596
2916	969	8748	334	23328	285	26244
2988	993	8964	343	23904	293	26892
3132	1041	9396	361	25056	309	28188
3204	1065	9612	370	25632	317	28836
3348	1113	10044	388	26784	333	30132
3492	1161	10476	406	27936	349	31428
3636	1209	10908	424	29088	365	32724
3708	1233	11124	433	29664	373	33372
3852	1281	11556	451	30816	389	34668
3924	1305	11772	460	31392	397	35316
3996	1329	11988	469	31968	405	35964
4068	1353	12204	478	32544	413	36612
4428	1473	13284	523	35424	453	39852
4572	1521	13716	541	36576	469	41148
There are 36 units of square 3 sharing with squares 8 and 9 in book 1.						

There are no units of square 3 sharing with squares 8 and 10 in book 1.

Did you know that every day you inhale about 35 pounds weight of air, breathing in about 18 times a minute. Thats 1080 times per hour and 25920 times a day.

SQUARE 3			SQUARE 8		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1452	481	4356	151	11616	73	15972
2244	745	6732	250	17952	145	24684
2508	833	7524	283	20064	169	27588
3036	1009	9108	349	24288	217	33396
3828	1273	11484	448	30624	289	42108
4092	1361	12276	481	32736	313	45012
There are 6 units of square 3 sharing with square 8 and 11 in book 1						

There are no units of square 3 sharing with squares 8 and 12 in book 1.

SQUARE 3			SQUARE 8		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2028	673	6084	223	16224	73	26364
2964	985	8892	340	23712	145	38532
3588	1193	10764	418	28704	193	46644
4524	1505	13572	535	36192	265	58812
There are 4 units of square 3 sharing with squares 8 and 13 in book 1.						

There are no units of square 3 sharing with squares 8 and 14 in book 1.

There are no units of square 3 sharing with squares 8 and 15 in book 1.

There are no units of square 3 sharing with squares 8 and 16 in book 1.

SQUARE 3			SQUARE 8		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3468	1153	10404	403	27744	61	58956
There are 1 unit of square 3 sharing with squares 8 and 17 in book 1.						

There are no units of square 3 sharing with squares 8 and 18 in book 1.

SQUARE 3			SQUARE 8		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4332	1441	12996	511	34656	49	82308
There are 1 unit of square 3 sharing with squares 8 and 19 in book 1						

There are no units of square 3 sharing with squares 8 and 20 in book 1.

This completes square 3 sharing with 8 and one other square.

Did you know that in one non leap year you will have inhaled 9460800 times at least, and 9486720 times on a leap year.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 8 and 10.

SQUARE 8 and 12.

SQUARE 8 and 14.

SQUARE 8 and 15.

SQUARE 8 and 16.

SQUARE 8 and 18.

SQUARE 8 and 20.

TRUTH TABLE OF SQUARE 3 SHARING WITH

SQUARE 8 and 9, = 36 times.

SQUARE 8 and 11, = 6 times.

SQUARE 8 and 13, = 4 times.

SQUARE 8 and 17, = 1 time.

SQUARE 8 and 19, = 1 time.

There are 48 units where square 3 will share with square 8 and another square.

There are no units of square 3 sharing with squares 9 and 10 in book 1.

SQUARE 3			SQUARE 9		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
792	261	2376	49	7128	13	8712
1584	525	4752	137	14256	85	17424
3168	1053	9504	313	28512	229	34848
There are 3 units of square 3 sharing with squares 9 and 11 in book 1.						

There are no units of square 3 sharing with squares 9 and 12 in book 1.

SQUARE 3			SQUARE 9		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1872	621	5616	169	16848	61	24336
3744	1245	11232	377	33696	205	48672
There are 2 units of square 3 sharing with squares 9 and 13 in book 1.						

There are no units of square 3 sharing with squares 9 and 14 in book 1.

There are no units of square 3 sharing with squares 9 and 15 in book 1.

SQUARE 3			SQUARE 9		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2088	693	6264	193	18792	4	33408
2232	741	6696	209	20088	13	35712
2664	885	7992	257	23976	40	42624

SQUARE 3			SQUARE 9		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2952	981	8856	289	26568	58	47232
3096	1029	9288	305	27864	67	49536
3384	1125	10152	337	30456	85	54144
3816	1269	11448	385	34344	112	61056
4248	1413	12744	433	38232	139	67968
4392	1461	13176	449	39528	148	70272
There are 9 units of square 3 sharing with squares 9 and 16 in book 1.						

SQUARE 3			SQUARE 9		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2448	813	7344	233	22032	1	41616
There are 1 unit of square 3 sharing with squares 9 and 17 in book 1.						

This completes square 3 sharing with square 9 plus one other square.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 9 and 10.

SQUARE 9 and 12.

SQUARE 9 and 14.

SQUARE 9 and 15.

SQUARE 9 and 18.

SQUARE 9 and 19.

SQUARE 9 and 20.

TRUTH TABLE FOR SQUARE 3 SHARING WITH

SQUARE 9 and 16, = 9 times.

SQUARE 9 and 11, = 3 times.

SQUARE 9 and 13, = 2 times.

SQUARE 9 and 17, = 1 time.

In book 1, square 3 shares with square 9 plus one other square 15 times.

An inventor should ask 'WILL THE GOVERNMENT HELP ?'

Or the EEC ? The answer is 'YES..and NO'. Yes if you qualify for help under any existing scheme like 'the Enterprise Initiative' or the Department of the Environment's Environmental protection Technology Scheme. No if you think officials will be so impressed by your idea they'll be relieved the relevant environmental problem concerned is all or part solved and pour in the money.

Official sources of funds are essentially participative - you have to have some input yourself. Do you have the money ?

In some circumstances you might find a Bank willing to help.

But even if the repayments would be within your existing means you should think carefully about borrowing against the hope your R & D will be successful.

This is why I ask the public to help to fund this research and development, either as donations or as a loan for 5 to 10 years without interest. So this work can be achieved as soon as possible.

If you have a Patent cover, a tried and tested prototype and a proven market you are in a good position to interest a company in a licence to exploit your idea. Their experience and resources could mean they'd be more successful than you. Remember they probably receive many proposals in a year so the more professional your presentation the greater your chances of interesting them.

But they'll only be interested if a market is apparent so don't just make assumptions about your idea's potential - ask yourself..It is unlikely that the Government will help just because the idea is Environmentally sound.

Does it really have Great Potential ?

You know the world doesn't really beat a path to the better mousetrap inventor's door. It doesn't beat one to the environmental entrepreneur's either, despite the wider benefits of your idea.

You have to explore the market. And, if you think your invention has overseas potential, appreciate the developing world is probably the most complex situation you could contemplate selling a simple idea to. Can you get sales closer to home ?

Competition is a good indicator of whether there will be a market for your idea. Can you beat them on price ? What other selling points is the customer looking for ? Can you estimate demand ? And how stable is the sector you are looking at ? Remember trade organisations and magazines could provide useful background information.

Sales help demonstrate a market but remember most people are guided by your price not your environmental principles when buying. And your price will be determined by a wide range of factors.

If your price is too high you're in trouble so you must ask...

People will be more impressed by your price than your environmental principles.

'Is the idea economic ?'

This is the question many should ask and don't - until it's too late.

The fact that it has a spin off environmental benefit does not make the idea economic. Nor does approval of well known personalities. Government 'interest' does not make it economic. Nor does winning an award or appearing with it on television.

Environmental entrepreneurs inventions are the same as any others. They have to stand alone in the market place on the twin merits of their price and consumer satisfaction. Their ecological superiority may or may not be a relevant selling point. After all, your invention could be one where conservation rather than pollution happens to be a by-product.

Estimate costs fully and realistically based on your best estimate of sales. Your bank can help with this. Allow for dealer margins and work out the unit price. Go back to your market research and determine whether you think it's competitive.

If it is you may have something to base your own business or a licence agreement on. Perhaps it's time to put your facts together and get an opinion from your bank manager.

So I have a lot of background reading and research to do, and have been doing^{so} since 1968, let no one be mistaken upon that point. Lets look at the things which I must consider :

(a)...Is my invention really new ?

ANSWER is YES.

(b)...Does it work and are my claims on its environmental performance accurate ?

ANSWER is YES to the best of my knowledge.

(c)...Is there a market it will satisfy economically ?

ANSWER is YES,if you do not agree upon this point,I feel you will in 10 to 13 years time. Then its too late.

(d)...Have I kept the idea confidential so a patent application can be filed ?

ANSWER is NO. I had to block con men from getting the patent.

(e)...Will it really be worthwhile spending on R & D and patent cost ?

ANSWER is Yes to R & D but to patents No.

(f)...If I haven't used a professional patent agent, is my patent specification properly written to give the invention full protection ?

ANSWER is No. The cost is very high to cover such a subject. A patent does not guarantee you any return which would offset that outlet alone.

(g)...Should I try and interest a company in a licence or do I have the expertise and resources to commercially develop and exploit the invention myself ?

ANSWER is that I have already tried to interest many companies into backing this work, but all state that its outside of their interest. I have the expertise to do the work but not the cash. Without cash nothing will happen.

This work of mine is indeed high technology in every way and one day will be playing an increasingly important part in any country's overall ability to compete successfully in a rapidly changing world. This trend is likely to continue as traditional markets and industries are superseded by new products, affected by automation or face increasing competition from developing countries which are becoming a significant force in the industrialised sector.

Given the importance of high technology to the future prosperity of any country, it is vital that businesses in this sector receive all the help that is available from their financial advisers, in order to overcome any problems that are obstacles on the path to success.

This help should go beyond conventional loans and overdrafts, this is why I say that it is now the right time to invest in this work...either as donations or large loans for over 5 to 10 years, which then will be returned without interest. But those loans would help me to raise cash so large project development may go ahead, which in turn would raise funds. Also within this help line could include :

(a)...Professional evaluation on the financial implications of new products and markets.

(b)...Guidance on what grants and subsidies are available together with how they can be obtained.

(c)...Advice on the raising of vital 'extra' cash support necessary to commence a new venture or fund an expansion programme.

When high technology innovation is involved, an independent expert appraisal can prove invaluable towards formulating and supporting a project proposal and business plan.

Yes, great advice...but wait a moment..is there something wrong with that statement in relation to SEARL. Yes, there is..where on earth you will find an expert upon the SEARL TECHNOLOGY who has done more than 40 years in this field of construction...there is no one who has even had 6 months experience in this field...so who on earth can advise another except the man who has actually work 40 years in that field of construction. Searl is the only man who can advise any one upon this technology..he created it..he tested it...He can certainly state YES or NO to any idea based upon his system of construction.

However because it is recognised that this is something many small and medium sized businesses may find difficult to arrange. Many banks have developed its Technical Advisory Points Scheme. Through this Scheme Banks can, where appropriate, obtain on behalf of its customers leading independent expert advice on such aspects as :

(i).....The competitiveness of a new product in the market and the likelihood of achieving sales forecast

(ii).....The research and development work undertaken.

(iii)...production techniques and overall technical feasibility.

Furthermore, 50% of the independent adviser's fees and cost will normally be met by the bank, maybe not all banks make this offer. Nevertheless the cost to me would be rather high even if the bank paid 50% of it for me. What could these experts really tell me, that I do not already know.

The advisers may well be drawn from a variety of respected research and academic organisations and will be selected by that bank on the basis of who is best qualified to comment on the particular product or market...but who is best qualified..that is the question..how will a bank know who is best.. the subject like this project I wish to start is completely different to houses which have been around a few hundred years now..who can say YES to a project never before seen and they all have some invested interest in present day technology. This project may well cut right across their invested interest.

But to get this offer from the bank you need to be a small to medium sized high technology business seeking finance of £10,000 or more to launch a major new product may be eligible.

Yes, the cost of the project that I wish to start as soon as possible will be above £10,000, but that starting figure suggests that the expert charge will be high indeed.

If you are running or proposing to set up such a business, then you should discuss the project with your Bank manager, taking with you your initial business plan, profit and cashflow forecast and any other useful information.

My work has been introduced to the banks but in each case they have not been interested. As this project which I would like to get underway is purely a pilot project to test the market response from which a realistic market profile can be arrived at..I have yet to see any major project costing profile which have been correct, every one that I know of have been millions out of planned projection..thats the experts for you. The banks advised the farmers on what to invest in and they lost out completely..So one lesson as to WHAT NOT TO DO IS THIS..do not let the bank advise you on how to spend your money in business unless you want to end up broke.

If you and your bank manager both agree that an independent expert's appraisal would be of significant benefit to your own and to the Bank's financial assessment of the project, then you will be asked if you wish your project to be considered under the scheme.

If a report is commissioned, it would normally be available in two to three weeks. An early indication of the cost will be provided and no information will be passed to any third party without your consent.

The Gunnar Sandberg's report flops absolutely in the field of assessment of manufacturing of the S.E.G. It fails in projecting such a device from any stand point of really interesting other parties. Though it is the best report on the market so far. Some the data released in this book starts to present facts which should have been in Gunnar's Sandberg report.

Commissioning of a report does not place you, or the Bank under any obligation to pursue the project further, to offer or to accept financial support. What it does mean however is that you obtain informed professional advice and guidance. It could be a very negative result at a very high positive cost.

Today, no man can produce a cashflow for any project thats new, I quoted a postal charge for BOOK 1 to the U.S.A. by the time I received the chaps cheque the postage cost me 86p more than he paid..meaning that I had to use my money which is so urgently needed to save lives in the soon arriving problems. The cashflow for this book in relation to Book 1 has already doubled at this point of writing, thats just for the ribbons for this typewriter and paper. Next year the cost will increase and each year the cost will go up and up because people are so greedy today, they force business to increase their wages each year. They are so stupid that they really believe that they are gaining where in the real world they are losing. Their actions is without any care for their future childrens future..for them only HELL will exist.

In these books you read the TRUTH, THE WHOLE TRUTH and NOTHING BUT THE TRUTH, to the best of my knowledge, No man therefore will tell me what I cannot write, unless he can produce to me absolute proof, that what I have written is not correct..in such a case..I will correct what I have stated. I have already been told that I must not write this or that, my reply is get stuff. One of those reports will be in another issue of this set. The media might be ruled by a few who keep their mouths shut. But I am a free man, I will speak out upon the things that I have experienced in my search for the REAL TRUTH, so others may benefit from my experience and not be conned by what they see. The eyes are powerful sensors and they can be deceived by what they see. An illusion is a powerful tool, and designers often use it to sell their products to you. In this issue I shall explain 2 such cases taken from tests which I have carried out here in the search to find the products most suited for STARSHIP EZEKIEL PHASE 2 PROGRAM.

SPACE SHARING BY THE SQUARES.

SHARING OF SQUARE 3 WITH

SQUARE 10 and 11, = 0

SQUARE 10 and 12, = 0

SQUARE 10 and 13, = 0

SQUARE 10 and 14, = 0

SQUARE 10 and 15, = 0

SQUARE 10 and 16, = 0

SQUARE 10 and 17, = 0

SQUARE 10 and 18, = 0

SQUARE 10 and 19, = 0

SQUARE 10 and 20, = 0

There are no units of square 3 sharing with square 10 and another square, in book 1.

Did you know that you blink 9 million times every year. I wonder how many bits of components that can operate that number of times in a year without failing.?

SPACE SHARING BY THE SQUARES.

SHARING OF SQUARE 3 WITH SQUARE 11 plus another.

There are no units of square 3 sharing with square 11 and 12 in book 1.

There are no units of square 3 sharing with square 11 and 13 in book 1.

There are no units of square 3 sharing with square 11 and 14 in book 1.

There are no units of square 3 sharing with square 11 and 15 in book 1.

SQUARE 3			SQUARE 11		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2904	965	8712	205	31944	55	46464
There are 1 unit of square 3 sharing with square 11 and 16 in book 1.						

This completes the sharing of square 3 sharing with square 11 and another in book 1.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 11 and 12.

SQUARE 11 and 13.

SQUARE 11 and 14.

SQUARE 11 and 15.

SQUARE 11 and 17.

SQUARE 11 and 18.

SQUARE 11 and 19.

SQUARE 11 and 20.

TRUTH TABLE FOR SQUARE 3 SHARING WITH

SQUARE 11 and 16, = 1 time.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 12 and 13.

SQUARE 12 and 14.

SQUARE 12 and 15.

SQUARE 12 and 16.

SQUARE 12 and 17.

SQUARE 12 and 18.

SQUARE 12 and 19.

SQUARE 12 and 20.

Square 3 shares with no other square in the group 12 band in book 1.

Did you know that by the time you reached 65, you'll have made around 94,640 trips to the loo - each day passing an average of $2\frac{1}{2}$ pints of fluid. Thats on average a grand total of 236600 pints. Times that by the number of people..no wonder there's a water shortage.

SHARING OF SQUARE 3 WITH SQUARE 13 and another.

There are no units of square 3 sharing with square 13 and 14 in book 1.

There are no units of square 3 sharing with square 13 and 15 in book 1.

SQUARE3			SQUARE 13		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4056	1349	12168	229	52728	127	64896
There are 1 unit of square 3 sharing with square 13 and 16 in book 1.						

This completes the square 3 sharing with 2 other squares.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 13 and 14.

SQUARE 13 and 15.

SQUARE 13 and 17.

SQUARE 13 and 18.

SQUARE 13 and 19.

SQUARE 13 and 20.

TRUTH TABLE FOR SQUARE 3 SHARING WITH

SQUARE 13 and 16, = 1 time.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 14 and 15.

SQUARE 14 and 16.

SQUARE 14 and 17.

SQUARE 14 and 18.

SQUARE 14 and 19.

SQUARE 14 and 20.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 15 and 16.

SQUARE 15 and 17.

SQUARE 15 and 18.

SQUARE 15 and 19.

SQUARE 15 and 20.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH

SQUARE 16 and 17.

SQUARE 16 and 18.

SQUARE 16 and 19.

SQUARE 16 and 20.

Did you know that the average length of a penis is $3\frac{1}{2}$ inches at rest and 6 inches when erect. Most men experience at least 5 erections a night while sleeping - some of them lasting up to $\frac{1}{2}$ an hour, and no one remembers !

SPACE SHARING BY THE SQUARES.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH
SQUARE 17 and 18.

SQUARE 17 and 19.

SQUARE 17 and 20.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH
SQUARE 18 and 19.

SQUARE 18 and 20.

TRUTH TABLE FOR SQUARE 3 NOT SHARING WITH
SQUARE 19 and 20.

This completes the data on square 3 sharing
with 2 other squares.

In my work material knowledge is absolutely
important, this applies to you as an inventor.

So I will tell you some FACTS which you may
not know, but you sure are going to know.

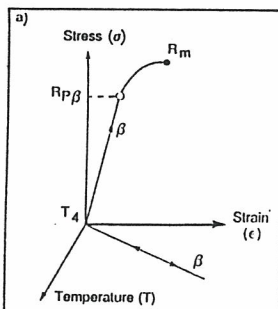
Shape memory is a well established materials
property. It is based on an alloy experiencing
relatively severe plastic deformation and
resuming its original shape after being heated
by 10 - 100°C.

Besides simple shape memory, there is a second
effect in similar alloys called pseudo-
elasticity, where the change in shape is
caused only by a small temperature change.

Fig.(a) shows the known behaviour of common
construction materials such as steels and
aluminium alloys.

Under stress, reversible, elastic shape change
is followed by irreversible, plastic deformation
and fracture.

Changes in temperature cause the length to
change reversibly by an amount determined by the
thermal expansion coefficient, in a similar way
to elastic deformation.

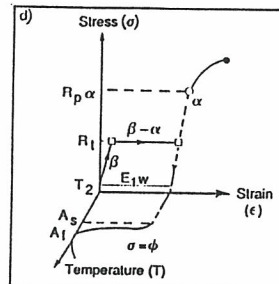


(a) Behaviour of a conventional
material with permanent deformation
above R_p ; break at R_m ; constant thermal
expansion.

Figs (b) to (d) show equivalent diagrams for 3 special
properties of SMA. Remember my dream statement about 3
conditions, which are pseudo-elasticity, the 2-way effect
and the 1-way effect.

In the 1-way effect, fig (d), the material, when stressed
below the elastic limit, is even so apparently plastically
deformed. Upon subsequent heating above a certain
critical temperature, it begins to remember what its
undeformed shape was.

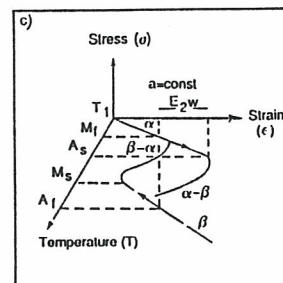
The temperature transformation range for this effect can
be adjusted between about 0K to 500K through changes in
chemical composition. But the LAW OF THE SQUARES will
give you the correct value.



(d) One-way effect: at R_1 , an (apparent)
permanent deformation ϵ_p occurs;
upon subsequent heating the shape
change recedes completely between A_s
and A_f .

For the 2-way effect, Fig (c), the shape change occurs
solely due to a change in temperature. The maximum
amount of shape change is always somewhat less than for
the 1-way effect.

Compared to normal thermal shape change, this effect
occurs approximately discontinuously over a small
temperature range and with a hysteresis which can be
adjusted between a few to several hundred degrees. The
effect can be used to actuate a motion or exert a force.



(c) Two-way effect: when heating, a
shape change takes place between A_s
and A_f , which first has to be trained.
Upon cooling, it reverts between M_s
and M_f .

With pseudo-elasticity Fig (b), the metal exhibits
behaviour characteristic of elastomers. At stresses
above a critical value, a large shape change occurs of
similar magnitude to that of the 1-way effect. But upon
relief, it recedes semi-elastically. So as with the
rubber, large deformations with little change in tension
will occur. stress hysteresis is associated with this
phenomenon.

Depending on the direction of the external stress, stretching or compression takes place. Consequently, bending and complicated movements can be performed by a SMA wire, which would conventionally require a number of ball joints.

Resistance of the alloys to ageing and hardening is an important aspect of quality, especially for applications in which the 2-way or pseudo-elasticity effects are to be used. The formation of cracks and changes in transitional behaviour must be expected. Consequently, undesirable variations in the shape change property can occur during use.

The prerequisite for the occurrence of the shape memory effect is a martensite transition from a crystalline structure β into a new structure α and vice-versa.

The conversion occurs through a shear process Fig 2a. It occurs at very low temperatures. The transition temperatures are defined not only by the thermodynamic equilibrium, but also by mechanical properties, which in turn can be affected by the lattice structure.

One property of martensite transition is that it can be triggered in a specific temperature range by means of an external shear stress. The 1-way effect is thus attributed to the stress-induced $\beta \Rightarrow \alpha$ transition, followed by the retransition $\alpha \Rightarrow \beta$ upon heating.

One variant is the deformation of martensite by crystal twinning Fig 2b. This shape change is also reversible upon subsequent transition $\alpha \Rightarrow \beta$. The transition shear determines the upper limit of the pseudo-elastic or plastic deformation.

As previously explained, the 2-way effect requires no external forces. The martensite transition in this case is effected through internal stresses. In practice this is done by a process or training:

The material is bent back and forth repeatedly, in the direction of the desired shape change. The training effect can be intensified in many alloys by segregation treatment under tension which fixes the internal stress state. The type of 2-way effect known as an all-round, or wrapping, effect is achieved by this means.

Pseudo-elastic behaviour can be similarly explained. The $\beta \Rightarrow \alpha$ transition is stress-induced and, like the 1-way effect, the shape change takes place in the direction of the best possible external shear tensor. There is a greater retransition trend towards $\alpha \Rightarrow \beta$ than with the 1-way effect.

Also, the operating temperature for pseudo-elasticity must be somewhat higher than that required for the 1-way effect.

In principle, all materials that exhibit a martensite transition may be considered as SMA materials. But in practice, the most frequently used materials are not based on fundamental alloys. Rather, martensite transition intermetallic compounds of Cu or Ni are used, with the high temperature phase a β cubic, space-centered crystal structure.

It must be noted that in this case the martensite structure can be weaker than the austenite high temperature phase β .

Both β -Cu and β -NiTi alloys have been used in practice and it is expected that alloys based on Fe will also become available.

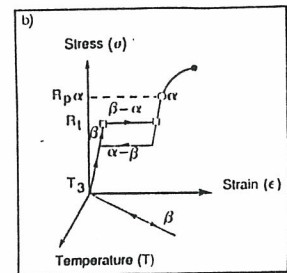
Examples of alloys available are:

COPPER-BASE : CuZn, CuZnAl, CuAlNi.

NICKEL-BASE : NiTi, NiTiCu, NiTiFe.

IRON-BASE : FePt, FePd, FeNiAl, FeNiAlTi, FeNiCoTi, FeMnSi.

TITANIUM-BASE : TiNi (as above); TiNiCu.



Engineering discipline	One-way	Two-way	Pseudo-elasticity
Control		Valve control; temperature control	
Motor vehicles		Opening of fog lamps	High vapour pressure alloys
Data processing	Plug connections for circuits	Head/drive systems	
Energy/engine		Heat engines; control of solar cells	
Automation		Rotor elements; manipulators	

Table 2 Some current and potential applications of the various properties of shape memory alloys.

From table 1, it is clear that the NiTi type is superior to the Cu alloys, if high strength is required. However, the later offer advantages when high electric conductivity is desired, such as for detachable connections in electronics applications.

SMA based on TITANIUM are known, but are rarely used. Here the transition also proceeds from a cubic space-centered mixed crystal. However, materials based on Ti could become more important, primarily because of secondary properties, like low weight, corrosion resistance and, particularly, biocompatibility.

Of particular interest are iron-based SMAs. These exhibit known crystallographic reverse transition behaviour, like the established cubic space-centred

alloys. They convert from a cubic surface-centred lattice into space-centre or hexagonal structures.

Excepting FePt and FePd alloys, which probably cannot be considered at present due to economic reasons, there are at present 2 significant developments for iron alloys. The first uses the transition into a space-centred lattice. In order to obtain the needed reversibility of transition, a segregation treatment is needed in the high temperature phase. This has been shown for FeNiAl, FeNiAlTi and FeNiCoTi alloys.

The FeMnSi alloys developed by NIPPON STEEL are based on somewhat different principles. Here the cubic surface-centred lattice transforms into the hexagonal, densely packed phase (ϵ martensite).

The alloys are usually prepared by melt metallurgy and plastic deformation or milling processing for semi-finished goods. However, research is now aimed at powder-metallurgy, in which the uniform distribution of alloy elements and finer lattices are advantageous. It is through the fast cooling of melts that thin bands or wires are directly produced.

Unfortunately, the high costs of SMAs have not allowed them to be introduced on a larger scale. This is due to metal prices, the difficulty of material production and small production quantities. Some examples of current and potential applications are given in table 2.

One well known example of the use of the 1-way effect is in tube or other mechanical and electrical joints. A sleeve of SMA is cooled and then expanded, so that it can be pushed easily over the joint parts. Upon reheating, the part remembers its original shape, and shrinks onto the joint parts.

NiTi alloys are the most suitable for this application because of their high strength. However, a CuNi alloy with Ti and Mn additives has been developed which comes close to the strength of NiTi.

For temperature control, spiral-coil components can be made to expand or contract greatly at a defined temperature. They are used in valves and levels for hot and cold protection.

A relatively unexplored area is that of SMA heat machines, which are able to convert small temperatures differences into rotational motion.

A spectacular application is in robot hands and other manipulators: Mechanical designs requiring many joints could be replaced by a wire with a memory for the desired motion. The role of joints is assumed by the shear system in the crystals of the alloy and heating can be achieved by direct passage of current.

Finally, there are numerous applications of SMAs in medical engineering. These range from implants which remember the desired position of broken bones (1-way effect) to tooth clasps (pseudo-elasticity).

It is however, very difficult to adjust the properties with an accuracy needed for many applications.

For example, the implants must transform from α to β exactly when body temperature is reached.

I told you that I would be giving you HARD DATA and I will give you the TRUTH the whole Truth and nothing but the TRUTH, because I feel that you are man enough to accept the TRUTH.

Did you know that in Britain, around 6% more boys than girls are born every year but, because men die earlier than women, after the age of about 50 women start to out number them. The ratio in the UK now is 1,053 women for every 1,000 men.

It's impossible to survive more than 18 days without food or water. The record was accidentally set by 18-year-old Andreas Mihavecz in 1979, when the Austrian Police locked him in a cell and forgot him for two and a half weeks. Remember when you are in Austria not to get locked up by their police, because they are so forgetful..you never know if they will ever remember that you are there.

SPACE SHARING BY THE SQUARES.

SHARING OF SQUARE 4 WITH SQUARE 5 AND ANOTHER.

There are no units of square 4 sharing with square 5 and 6 in book 1.

SQUARE 4			SQUARE 5		SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
350	81	1400	59	1750	27	2450
490	116	1960	87	2450	47	3430
910	221	3640	171	4550	107	6370
1190	291	4760	227	5950	147	8330
1330	326	5320	255	6650	167	9310
1610	396	6440	311	8050	207	11270
1750	431	7000	339	8750	227	12250
2030	501	8120	395	10150	267	14210
2170	538	8680	423	10850	287	15190
2450	606	9800	479	12250	327	17150
2590	641	10360	507	12950	347	18130
2870	711	11480	563	14350	387	20090
3010	746	12040	591	15050	407	21070
3290	816	13160	647	16450	447	23030
3430	851	13720	675	17150	467	24010
3710	921	14840	731	18550	507	25970
There are 16 units of square 4 sharing with square 5 and 7 in book 1.						

There are no units of square 4 sharing with squares 5 and 8 in book 1.

There are no units of square 4 sharing with squares 5 and 9 in book 1.

There are no units of square 4 sharing with square 5 and 10 in book 1.

SQUARE 4			SQUARE 5		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1210	296	4840	231	6050	51	13310
1870	461	7480	363	9350	111	20570
2090	516	8360	407	10450	131	22990
2530	625	10120	495	12650	171	27830
2750	681	11000	539	13750	191	30250
3190	791	12760	627	15950	231	35090
3410	846	13640	671	17050	251	37510
There are 7 units of square 4 sharing with squares 5 and 11 in book 1.						

There are no units of square 4 sharing with squares 5 and 12 in book 1.

SQUARE 4			SQUARE 5		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1690	416	6760	327	8450	47	21970
2210	546	8840	431	11050	87	28730
2470	611	9880	483	12350	107	32110
2990	741	11960	587	14950	147	38870

SQUARE 4			SQUARE 5		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3250	806	13000	639	16250	167	42250
3770	936	15080	743	18850	207	49010
There are 6 units of square 4 sharing with squares 5 and 13 in book 1.						

There are no units of square 4 sharing with squares 5 and 14 in book 1.

There are no units of square 4 sharing with squares 5 and 15 in book 1.

There are no units of square 4 sharing with squares 5 and 16 in book 1.

SQUARE 4			SQUARE 5		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2890	716	11560	567	14450	27	49130
3230	801	12920	635	16150	47	54910
3910	971	15640	771	19550	87	66470
There are 3 units of square 4 sharing with squares 5 and 17 in book 1.						

There are no units of square 4 sharing with squares 5 and 18 in book 1.

SQUARE 4			SQUARE 5		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3610	896	14440	711	18050	11	68590
There are 1 units of square 4 sharing with squares 5 and 19 in book 1.						

SQUARE 4			SQUARE 5		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4010	996	16040	791	20050	2	80200
4090	1016	16360	807	20450	6	81800
4150	1031	16600	819	20750	9	83000
4190	1041	16760	827	20950	11	83800
4210	1046	16840	831	21050	12	84200
4310	1071	17240	851	21550	17	86200
4330	1076	17320	855	21650	18	86600
4390	1091	17560	867	21950	21	87800
4430	1101	17720	875	22150	23	88600
4450	1106	17800	879	22250	24	89000
4490	1116	17960	887	22450	26	89800
4570	1136	18280	903	22850	30	91400
4610	1146	18440	911	23050	32	92200
There are 13 units of square 4 sharing with squares 5 and 20 in book 1.						

This completes square 4 sharing with square 5 plus another square.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 5 and 6

SQUARE 5 and 8

SQUARE 5 and 9

SQUARE 5 and 10

SQUARE 5 and 12

SQUARE 5 and 14

SQUARE 5 and 15

SQUARE 5 and 16

SQUARE 5 and 18

TRUTH TABLE FOR SQUARE 4 SHARING WITH

SQUARE 5 and 7, = 16 times.

SQUARE 5 and 20, = 13 times.

SQUARE 5 and 11, = 7 times.

SQUARE 5 and 13, = 6 times.

SQUARE 5 and 17, = 3 times.

SQUARE 5 and 19, = 1 time.

There are 46 units of square 4 sharing with square 5 and another square in book 1.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 6 and 7.

SQUARE 6 and 8.

SQUARE 6 and 9.

SQUARE 6 and 10.

SQUARE 6 and 11.

SQUARE 6 and 12.

SQUARE 6 and 13.

SQUARE 6 and 14.

SQUARE 6 and 15.

SQUARE 6 and 16.

SQUARE 6 and 17.

SQUARE 6 and 18.

SQUARE 6 and 19.

SQUARE 6 and 20.

Did you know that Britons drink more than 100 billion cups of hot drinks every year. You down twice as much tea as coffee, with more than 200 million cuppas brewed up every day all over the country. Your favourite brew is PG Tips Advertised by monkeys !

I wonder if their are any links ?

Delete the adjectives, and you've the facts.

There are no units of square 4 sharing with squares 7 and 8 in book 1.

There are no units of square 4 sharing with squares 7 and 9 in book 1.

There are no units of square 4 sharing with squares 7 and 10 in book 1.

SQUARE 4			SQUARE 7		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1078	263	4312	131	7546	39	11858
1694	417	6776	219	11858	95	18634
2926	725	11704	395	20482	207	32186
3542	879	14168	483	24794	263	38962
4466	1110	17864	615	31262	347	49126
There are 5 units of square 4 sharing with squares 7 and 11 in book 1.						

There are no units of square 4 sharing with squares 7 and 12 in book 1.

SQUARE 4			SQUARE 7		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1274	312	5096	159	8918	15	16562
2366	585	9464	315	16562	99	30758
4186	1040	16744	575	29302	239	54418
There are 3 units of square 4 sharing with squares 7 and 13 in book 1.						

There are no units of square 4 sharing with squares 7 and 14 in book 1.

There are no units of square 4 sharing with squares 7 and 15 in book 1.

There are no units of square 4 sharing with squares 7 and 16 in book 1.

SQUARE 4			SQUARE 7		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4046	1005	16184	555	28322	97	68782
There are 1 unit of square 4 sharing with squares 7 and 17 in book 1.						

There are no units of square 4 sharing with square 7 and the remaining 3 squares.

Did you know that Britain's women buy 45 million bras and 100 million pairs of knickers every year. Marks & Spencer provides nearly 40% of the nation's undies, with the best selling colour...a plain white.

Yet white is the most dangerous colour to wear next to your skin..it has been made white through the action of Chlorine which damp and wet skin will absorb the chlorine which forms cancer tissue,in the body.

The anus and the vagina are damp area,at times are wet.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 7 and 8.

SQUARE 7 and 9.

SQUARE 7 and 10.

SQUARE 7 and 12.

SQUARE 7 and 14.

SQUARE 7 and 15.

SQUARE 7 and 16.

SQUARE 7 and 18.

SQUARE 7 and 19.

SQUARE 7 and 20.

TRUTH TABLE FOR SQUARE 4 SHARING WITH

SQUARE 7 and 11, = 5 times.

SQUARE 7 and 13, = 3 times.

SQUARE 7 and 17, = 1 time.

There are 9 units of square 4 sharing with square 7 and one other.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 8 and 9.

SQUARE 8 and 10.

SQUARE 8 and 11.

SQUARE 8 and 12.

SQUARE 8 and 13.

SQUARE 8 and 14.

SQUARE 8 and 15.

SQUARE 8 and 16.

SQUARE 8 and 17.

SQUARE 8 and 18.

SQUARE 8 and 19.

SQUARE 8 and 20.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 9 and 10.

SQUARE 9 and 11.

SQUARE 9 and 12.

SQUARE 9 and 13.

SQUARE 9 and 14.

SQUARE 9 and 15.

SQUARE 9 and 16.

SQUARE 9 and 17.

SQUARE 9 and 18.

SQUARE 9 and 19.

SQUARE 9 and 20.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 10 and 11.

SQUARE 10 and 12.

SQUARE 10 and 13.

SQUARE 10 and 14.

SQUARE 10 and 15.

SQUARE 10 and 16.

SQUARE 10 and 17.

SQUARE 10 and 18.

SQUARE 10 and 19.

SQUARE 10 and 20.

SHARING OF SQUARE 4 WITH SQUARE 11 and one other.

There are no units of square 4 sharing with squares 11 and 12 in book 1.

SQUARE 4			SQUARE 11		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3146	780	12584	227	34606	159	40898
3718	923	14872	279	40898	203	48334
There are 2 units of square 4 sharing with squares 11 and 13 in book 1.						

There are no units of square 4 sharing with squares 11 and 14 in book 1.

There are no units of square 4 sharing with squares 11 and 15 in book 1.

There are no units of square 4 sharing with squares 11 and 16 in book 1.

SQUARE 4			SQUARE 11		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4114	1022	16456	315	45254	99	69938
There are 1 unit of square 4 sharing with squares 11 and 17 in book 1.						

There are no units of square 4 sharing with squares 11 and 18 in book 1.

SQUARE 4			SQUARE 11		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4598	1143	18392	359	50578	63	87362
There are 1 unit of square 4 sharing with squares 11 and 19 in book 1.						

This completes the square 4 sharing with 2 others.

Did you know that in Britain, we spend £7½ billion a year on tobacco, just to prove if it cause cancer, heart attacks etc. But only spend £3 billion on footwear, that's because people are dying from tobacco, so they don't need the shoes.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH
SQUARE 11 and 12.

SQUARE 11 and 14.

SQUARE 11 and 15.

SQUARE 11 and 16.

SQUARE 11 and 18.

SQUARE 11 and 20.

TRUTH TABLE FOR SQUARE 4 SHARING WITH

SQUARE 11 and 13, = 2 times.

SQUARE 11 and 17, = 1 time.

SQUARE 11 and 19, = 1 time.

There are 4 units of square 4 sharing with 2 other squares in book 1.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 12 and 13.

SQUARE 12 and 14.

SQUARE 12 and 15.

SQUARE 12 and 16.

SQUARE 12 and 17.

SQUARE 12 and 18.

SQUARE 12 and 19.

SQUARE 12 and 20.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 13 and 14.

SQUARE 13 and 15.

SQUARE 13 and 16.

SQUARE 13 and 17.

SQUARE 13 and 18.

SQUARE 13 and 19.

SQUARE 13 and 20.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 14 and 15.

SQUARE 14 and 16.

SQUARE 14 and 17.

SQUARE 14 and 18.

SQUARE 14 and 19.

SQUARE 14 and 20.

Did you know that resting in bed burns up 60 calories an hour, though energetic sex uses up to 600 ! - even if couples only spend, on average, a mere 10 minutes at a time making love ! Washing up will use 198 calories an hour if you're a woman, 275 for men. While driving the car rides you of 168 calories an hour.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 15 and 16.

SQUARE 15 and 17.

SQUARE 15 and 18.

SQUARE 15 and 19.

SQUARE 15 and 20.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 16 and 17.

SQUARE 16 and 18.

SQUARE 16 and 19.

SQUARE 16 and 20.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 17 and 18.

SQUARE 17 and 19.

SQUARE 17 and 20.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 18 and 19.

SQUARE 18 and 20.

TRUTH TABLE FOR SQUARE 4 NOT SHARING WITH

SQUARE 19 and 20.

This completes all the square 4 sharing with 2 other squares in book 1. You should now begin to appreciate that the squares are so set that there is much space between them. They interweave themselves and this gives the strength to nature.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH

SQUARE 6 and 7.

SQUARE 6 and 8.

SQUARE 6 and 9.

SQUARE 6 and 10.

SQUARE 6 and 11.

SQUARE 6 and 12.

SQUARE 6 and 13.

SQUARE 6 and 14.

SQUARE 6 and 15.

SQUARE 6 and 16.

SQUARE 6 and 17.

SQUARE 6 and 18.

SQUARE 6 AND 19.

SQUARE 6 and 20.

Did you know that you roughly have 3 million sweat glands on your body, and lose 2 pints of sweat daily - a lot of it into the mattress.

SPACE SHARING BY THE SQUARES.

SHARING BY SQUARE 5 AND SQUARE 7 AND ANOTHER.

SQUARE 5			SQUARE 7		SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
700	129	3500	77	4900	57	5600
980	185	4900	117	6860	92	7840
2380	465	11900	317	16660	267	19040
2660	521	13300	357	18620	302	21280
3220	633	16100	437	22540	372	25760
3500	689	17500	477	24500	407	28000
4060	801	20300	557	28420	477	32480
4340	857	21700	597	30380	512	34720
There are 8 units of square 5 sharing with squares 7 and 8 in book 1.						

There are no units of square 5 sharing with squares 7 and 9 in book 1.

SQUARE 5			SQUARE 7		SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
595	108	2975	62	4165	11	5950
665	122	3325	72	4655	18	6650
805	150	4025	92	5635	32	8050
875	164	4375	102	6125	39	8750
1015	192	5075	122	7105	53	10150
1085	206	5425	132	7595	60	10850
1225	234	6125	152	8575	74	12250
1295	248	32375	162	45325	81	64750
There are 8 units of square 5 sharing with squares 7 and 10 in book 1.						

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH
SQUARE 7 and 9.

SQUARE 7 and 11.

SQUARE 7 and 12.

SQUARE 7 and 13.

SQUARE 7 and 14.

SQUARE 7 and 15.

SQUARE 7 and 16.

SQUARE 7 and 17.

SQUARE 7 and 18.

SQUARE 7 and 19.

SQUARE 7 and 20.

TRUTH TABLE FOR SQUARE 5 SHARING WITH

SQUARE 7 and 8, = 8 times.

SQUARE 7 and 10, = 8 times.

There are 16 units which square 5 will share with 2 other squares in book 1.

THERE ARE NO UNITS OF SQUARE 5 SHARING WITH SQUARES 8 AND 9 IN BOOK 1.

THERE ARE NO UNITS OF SQUARE 5 SHARING WITH SQUARES 8 AND 10 IN BOOK 1.

SQUARE 5			SQUARE 8		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1100	209	5500	107	8800	41	12100
2420	473	12100	272	19360	161	26620
There are 2 units of square 5 sharing with squares 8 and 11 in book 1.						

There are no units of square 5 sharing with squares 8 and 12 in book 1.

SQUARE 5			SQUARE 8		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1300	249	6500	132	10400	17	16900
3380	665	16900	392	27040	177	43940
There are 2 units of square 5 sharing with squares 8 and 13 in book 1.						

This completes square 5 sharing with square 8 plus another.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH

SQUARE 8 and 9.

SQUARE 8 and 10.

SQUARE 8 and 12.

SQUARE 8 and 14.

SQUARE 8 and 15.

SQUARE 8 and 16.

SQUARE 8 and 17.

SQUARE 8 and 18.

SQUARE 8 and 19.

SQUARE 8 and 20.

TRUTH TABLE FOR SQUARE 5 SHARING WITH

SQUARE 8 and 11, = 2 times.

SQUARE 8 and 13, = 2 times.

There are 4 units of square 5 sharing with square 8 and another.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH

SQUARE 9 and 10.

SQUARE 9 and 11.

SQUARE 9 and 12.

SQUARE 9 and 13.

SQUARE 9 and 14.

SQUARE 9 and 15.

SQUARE 9 and 16.

SQUARE 9 and 17.

SQUARE 9 and 18.

SQUARE 9 and 19.

SQUARE 9 and 20.

SHARING OF SQUARE 5 WITH

SQUARE 5			SQUARE 10		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
715	132	3575	23	7150	6	7865
935	176	4675	45	9350	26	10285
1045	198	5225	56	10450	36	11495
1265	242	6325	78	12650	56	13915
1375	264	6875	89	13750	66	15125
1595	308	7975	111	15950	86	17545
1705	330	8525	122	17050	96	18755
2035	396	10175	155	20350	126	22385
2255	440	11275	177	22550	146	24805
2365	462	11825	188	23650	156	26015
2585	506	12925	210	25850	176	28435
2915	572	14575	243	29150	206	32065
3025	594	15125	254	30250	216	33275
3245	638	16225	276	32450	236	35695
3355	660	16775	287	33550	246	36905
3685	726	18425	320	36850	276	40535
3905	770	19525	342	39050	296	42955
4015	792	20075	353	40150	306	44165
4345	858	21725	386	43450	336	47795
4565	902	22825	408	45650	356	50215

There are 19 units of square 5 sharing with squares 10 and 11 in book 1.

There are no units of square 5 sharing with squares 10 and 12 in book 1.

SQUARE 5			SQUARE 10		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1105	210	5525	62	11050	2	14365
1235	236	6175	75	12350	12	16055
1495	288	7475	101	14950	32	19435
1625	314	8125	114	16250	42	21125
1885	366	9425	140	18850	62	24505
2015	392	10075	153	20150	72	26195
2405	470	12025	192	24050	102	31265
2665	522	13325	218	26650	122	34645
2795	548	13975	231	27950	132	36335
3055	600	15275	275	30550	152	39715
3445	678	17225	296	34450	182	44785
3835	756	19175	335	38350	212	49855
3965	782	19825	348	39650	222	51545
4225	834	21125	374	42250	242	54925

SQUARE 5			SQUARE 10		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4355	860	21775	387	43550	252	56615
4615	912	23075	413	46150	272	59995

There are 16 units of square 5 sharing with squares 10 and 13 in book 1.

There are no units of square 5 sharing with squares 10 and 14 in book 1.

There are no units of square 5 sharing with squares 10 and 15 in book 1.

There are no units of square 5 sharing with squares 10 and 16 in book 1.

SQUARE 5			SQUARE 10		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2465	482	12325	198	24650	2	41905
2635	516	13175	215	26350	12	44795
3145	618	15725	266	31450	42	53465
3485	686	17425	300	34850	62	59245
3655	720	18275	317	36550	72	62135
3995	788	19975	351	39950	92	67915
4505	890	22525	402	45050	122	76585

There are 7 units of square 5 sharing with squares 10 and 17 in book 1.

There are no units of square 5 sharing with squares 10 and 18 in book 1.

SQUARE 5			SQUARE 10		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3515	692	17575	303	35150	6	66785
3895	768	19475	341	38950	26	74005
4085	806	20425	360	40850	36	77615
4465	882	22325	398	44650	56	84835

There are 4 units of square 5 sharing with squares 10 and 19 in book 1.

There are no units of square 5 sharing with squares 10 and 20 in book 1.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH

SQUARE 10 and 12.

SQUARE 10 and 14.

SQUARE 10 and 15.

SQUARE 10 and 16.

SQUARE 10 and 18.

SQUARE 10 and 20.

Did you know that in the U.K. we buy £585 million worth of potato crisps a year (favourite flavour ready salted) and fork out £11 million on laxatives (money that's flushed away !)

TRUTH TABLE FOR SQUARE 5 SHARING WITH

SQUARE 10 and 11, = 19 times.

SQUARE 10 and 13, = 16 times.

SQUARE 10 and 17, = 7 times.

SQUARE 10 and 19, = 4 times.

There are 46 units of square 5 sharing with square 10 plus one other.

SHARING OF SQUARE 5 WITH SQUARE 11 +

There are no units of square 5 sharing with squares 11 and 12 in book 1.

There are no units of square 5 sharing with squares 11 and 13 in book 1.

There are no units of square 5 sharing with squares 11 and 14 in book 1.

There are no units of square 5 sharing with squares 11 and 15 in book 1.

SQUARE 5			SQUARE 11		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2200	429	11000	141	24200	11	35200
There are 1 units of square 5 sharing with squares 11 and 16 in book 1.						

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH

SQUARE 11 and 12.

SQUARE 11 and 13.

SQUARE 11 and 14.

SQUARE 11 and 15.

SQUARE 11 and 17.

SQUARE 11 and 18.

SQUARE 11 and 19.

SQUARE 11 and 20.

TRUTH TABLE FOR SQUARE 5 SHARING WITH

SQUARE 11 and 16, = 1 time.

Did you know that the British on average, chomp through 65 loaves of bread, plus 157 eggs, 5 lb of mushrooms and 18 lb of ham and bacon a year each. All washed down with over 216 pints of milk - that's a lotta bottle !

You did not know that - don't worry I never knew that either..and I am one of them.

ARE THE SEARL EFFECT MAGNETIC DEVICES JUST PURELY SMA MAGNETICALLY ?

After all, the poles move yet they know where they started from and will return to that same point on stopping.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH

SQUARE 12 and 13.

SQUARE 12 and 14.

SQUARE 12 and 15.

SQUARE 12 and 16.

SQUARE 12 and 17.

SQUARE 12 and 18.

SQUARE 12 and 19.

SQUARE 12 and 20.

There are no units of square 5 sharing with squares 13 and 14 in book 1.

There are no units of square 5 sharing with squares 13 and 15 in book 1.

SQUARE 5			SQUARE 13		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2600	509	13000	117	33800	36	41600
There are 1 unit of square 5 sharing with squares 13 and 16 in book 1.						

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH

SQUARE 13 and 14.

SQUARE 13 and 15.

SQUARE 13 and 17.

SQUARE 13 and 18.

SQUARE 13 and 19.

SQUARE 13 and 20.

TRUTH TABLE FOR SQUARE 5 SHARING WITH

SQUARE 13 and 16, = 1 time.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH

SQUARE 14 and 15.

SQUARE 14 and 16.

SQUARE 14 and 17.

SQUARE 14 and 18.

SQUARE 14 and 19.

SQUARE 14 and 20.

According to one survey, 4% of British women have taken part in an orgy - twice as many women have tried 3-in-a-bed romps with 2 men..thats hard to believe..I have never had the luck to prove it. To me the only thing that British women want is your money..without giving any service for it..not a bad idea..men should try that too.

Women are always complaining about how they are treated by men..they got a long way to go to equal how women have treated me,over the years.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH
SQUARE 15 and 16.

SQUARE 15 and 17.

SQUARE 15 and 18.

SQUARE 15 and 19.

SQUARE 15 and 20.

There are no units of square 5 sharing with squares 16 and 17 in book 1.

There are no units of square 5 sharing with squares 16 and 18 in book 1.

SQUARE 5			SQUARE 16		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3400	669	17000	86	54400	57	64600
3800	749	19000	111	60800	21	72200
There are 2 units of square 5 sharing with squares 16 and 19 in book 1.						

There are no units of square 5 sharing with squares 16 and 20 in book 1.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH
SQUARE 16 and 17.

SQUARE 16 and 18.

SQUARE 16 and 20.

TRUTH TABLE FOR SQUARE 5 SHARING WITH
SQUARE 16 and 19, = 2 times.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH
SQUARE 17 and 18.

SQUARE 17 and 19.

SQUARE 17 and 20.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH
SQUARE 18 and 19.

SQUARE 18 and 20.

TRUTH TABLE FOR SQUARE 5 NOT SHARING WITH
SQUARE 19 and 20.

TRUTH TABLE FOR SQUARE 6 NOT SHARING WITH
SQUARE 7 and 8.

SQUARE 7 and 9.

SQUARE 7 and 10.

SQUARE 7 and 11.

SQUARE 7 and 12.

SQUARE 7 and 13.

SQUARE 7 and 14.

SQUARE 7 and 15.

SQUARE 7 and 16.

SQUARE 7 and 17.

SQUARE 7 and 18.

SQUARE 7 and 19.

SQUARE 7 and 20.

SQUARE 8 and 9.

SQUARE 8 and 10.

SQUARE 8 and 11.

SQUARE 8 and 12.

SQUARE 8 and 13.

SQUARE 8 and 14.

SQUARE 8 and 15.

SQUARE 8 and 16.

SQUARE 8 and 17.

SQUARE 8 and 18.

SQUARE 8 and 19.

SQUARE 8 and 20.

SQUARE 9 and 10.

SQUARE 9 and 11.

SQUARE 9 and 12.

SQUARE 9 and 13.

SQUARE 9 and 14.

SQUARE 9 and 15.

SQUARE 9 and 16.

SQUARE 9 and 17.

SQUARE 9 and 18.

SQUARE 9 and 19.

SQUARE 9 and 20.

SQUARE 10 and 11.

SQUARE 10 and 12.

SQUARE 10 and 13.

SQUARE 10 and 14.

SQUARE 10 and 15.

SQUARE 10 and 16.

SQUARE 10 and 17.

SQUARE 10 and 18.

SQUARE 10 and 19.

SQUARE 10 and 20.

SQUARE 11 and 12.

SQUARE 11 and 13.

SQUARE 11 and 14.

CONTINUE...

SQUARE 11 and 15.

SQUARE 11 and 16.

SQUARE 11 and 17.

SQUARE 11 and 18.

SQUARE 11 and 19.

SQUARE 11 and 20.

SQUARE 12 and 13.

SQUARE 12 and 14.

SQUARE 12 and 15.

SQUARE 12 and 16.

SQUARE 12 and 17.

SQUARE 12 and 18.

SQUARE 12 and 19.

SQUARE 12 and 20.

SQUARE 13 and 14.

SQUARE 13 and 15.

SQUARE 13 and 16.

SQUARE 13 and 17.

SQUARE 13 and 18.

SQUARE 13 and 19.

SQUARE 13 and 20.

SQUARE 14 and 15.

SQUARE 14 and 16.

SQUARE 14 and 17.

SQUARE 14 and 18.

SQUARE 14 and 19.

SQUARE 14 and 20.

SQUARE 15 and 16.

SQUARE 15 and 17.

SQUARE 15 and 18.

SQUARE 15 and 19.

SQUARE 15 and 20.

SQUARE 16 and 17.

SQUARE 16 and 18.

SQUARE 16 and 19.

SQUARE 16 and 20.

SQUARE 17 and 18.

SQUARE 17 and 19.

SQUARE 17 and 20.

CONTINUE...

SQUARE 18 and 19.

SQUARE 18 and 20.

SQUARE 19 and 20.

There are no units of square 7 sharing with squares 8 and 9 in book 1.

There are no units of square 7 sharing with squares 8 and 10 in book 1.

SQUARE 7			SQUARE 8		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2156	285	15092	239	17248	137	23716
3388	461	23716	393	27104	249	37268
There are 2 units of square 7 sharing with squares 8 and 11 in book 1.						

There are no units of square 7 sharing with squares 8 and 12 in book 1.

SQUARE 7			SQUARE 8		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2548	341	17836	288	20384	113	33124
There are 1 unit of square 7 sharing with squares 8 and 13 in book 1.						

There are no units of square 7 sharing with squares 8 and 14 in book 1.

There are no units of square 7 sharing with squares 8 and 15 in book 1.

There are no units of square 7 sharing with squares 8 and 16 in book 1.

SQUARE 7			SQUARE 8		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3332	453	23324	386	26656	53	56644
There are 1 unit of square 7 sharing with squares 8 and 17 in book 1.						

There are no units of square 7 sharing with squares 8 and 18 in book 1.

SQUARE 7			SQUARE 8		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3724	509	26068	435	29792	17	70756
There are 1 unit of square 7 sharing with squares 8 and 19 in book 1.						

There are no units of square 7 sharing with squares 8 and 20 in book 1.

TRUTH TABLE FOR SQUARE 7 NOT SHARING WITH

SQUARE 8 and 9.

SQUARE 8 and 10.

SQUARE 8 and 12.

SQUARE 8 and 14.

SQUARE 8 and 15.

SQUARE 8 and 16.

SQUARE 8 and 18.

SQUARE 8 and 20.

TRUTH TABLE FOR SQUARE 7 SHARING WITH

SQUARE 8 and 11, = 2 times.

SQUARE 8 and 13, = 1 time.

SQUARE 8 and 17, = 1 time.

SQUARE 8 and 19, = 1 time.

There are 4 units of square 7 sharing square 8 plus another square in book 1.

TRUTH TABLE FOR SQUARE 7 NOT SHARING WITH

SQUARE 9 and 10.

SQUARE 9 and 11.

SQUARE 9 and 12.

SQUARE 9 and 13.

SQUARE 9 and 14.

SQUARE 9 and 15.

SQUARE 9 and 16.

SQUARE 9 and 17.

SQUARE 9 and 18.

SQUARE 9 and 19.

SQUARE 9 and 20.

SQUARE 10 and 11.

SQUARE 10 and 12.

SQUARE 10 and 13.

SQUARE 10 and 14.

SQUARE 10 and 15.

SQUARE 10 and 16.

SQUARE 10 and 17.

SQUARE 10 and 18.

SQUARE 10 and 19.

SQUARE 10 and 20.

Again we see the large space between these squares, this gives a good indication that the S.E.G. is very difficult to produce. The S.E.G. is precise engineering, but there is nothing in the LAW OF NATURE that states it cannot be produced.

SPACE SHARING BY THE SQUARES.

There are no units of square 7 sharing with squares 11 and 12 in book 1.

There are no units of square 7 sharing with squares 11 and 13 in book 1.

SQUARE 7			SQUARE 11		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1463	186	10241	74	16093	8	20482
1771	230	12397	102	19481	30	24794
2233	296	15631	144	24563	63	31262
2387	318	16709	158	26257	74	33418
2849	384	19943	200	31339	107	39886
3157	428	22099	228	34727	129	44198
3311	450	23177	242	36421	140	46354
3619	494	25333	270	39809	162	50666
3773	516	26411	284	41503	173	52822
4081	560	28567	312	44891	195	57134
4312	593	30184	333	47432	143	60368
4543	626	31801	354	49973	228	63602
There are 12 units of square 7 sharing with squares 11 and 14 in book 1.						

TRUTH TABLE FOR SQUARE 7 NOT SHARING WITH

SQUARE 11 and 12.

SQUARE 11 and 13.

SQUARE 11 and 15.

SQUARE 11 and 16.

SQUARE 11 and 17.

SQUARE 11 and 18.

SQUARE 11 and 19.

SQUARE 11 and 20.

TRUTH TABLE FOR SQUARE 7 SHARING WITH

SQUARE 11 and 14, = 12.

TRUTH TABLE FOR SQUARE 7 NOT SHARING WITH

SQUARE 12 and 13.

SQUARE 12 and 14.

SQUARE 12 and 15.

SQUARE 12 and 16.

SQUARE 12 and 17.

SQUARE 12 and 18.

SQUARE 12 and 19.

SQUARE 12 and 20.

Did you know that English is the second most widely spoken language in the world, next to Chinese. The longest word that you can use is FLOCCINAUCINIHIPIILIFICATION, "the action of estimating as worthless."

SQUARE 7			SQUARE 13		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1547	189	10829	36	20111	14	21658
1729	224	12103	50	22477	27	24206
2093	276	14651	78	27209	53	29302
2639	354	18473	120	34307	92	36946
2821	380	19747	134	36673	105	39494
3367	458	23569	176	43771	144	47138
3731	510	26117	204	48503	170	52234
3913	536	27391	218	50869	183	54782
4277	588	29939	246	55601	209	59878
4459	614	31213	260	57967	222	62426
There are 10 units of square 7 sharing with squares 13 and 14 in book 1.						

TRUTH TABLE FOR SQUARE 7 NOT SHARING WITH

SQUARE 13 and 15.

SQUARE 13 and 16.

SQUARE 13 and 17.

SQUARE 13 and 18.

SQUARE 13 and 19.

SQUARE 13 and 20.

TRUTH TABLE FOR SQUARE 7 SHARING WITH

SQUARE 13 and 14, = 10 times.

There are no units of square 7 sharing with squares 14 and 15 in book 1.

There are no units of square 7 sharing with squares 14 and 16 in book 1.

SQUARE 7			SQUARE 14		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2737	368	19159	99	38318	18	46529
3451	470	24157	150	48314	60	58667
3689	504	25823	167	51646	74	62713
4403	606	30821	218	61642	116	74851
There are 4 units of square 7 sharing with squares 14 and 17 in book 1.						

There are no units of square 7 sharing with squares 14 and 18 in book 1.

SQUARE 7			SQUARE 14		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3857	528	26999	179	53998	24	73283
4123	566	28861	198	57722	38	78337
There are 2 units of square 7 sharing with squares 14 and 19 in book 1.						

There are no units of square 7 sharing with squares 14 and 20 in book 1.

TRUTH TABLE FOR SQUARE 7 NOT SHARING WITH
SQUARE 14 and 15.

SQUARE 14 and 16.

SQUARE 14 and 18.

SQUARE 14 and 20.

TRUTH TABLE FOR SQUARE 7 SHARING WITH
SQUARE 14 and 17, = 4 times.

SQUARE 14 and 19, = 2 times.

There are 6 units of square 7 sharing with square 14 and one other square in book 1.

There's no more square sharing until we reach square 11 and 17 range. So I will save the space and jump that gap.

An inventor covering a massive subject needs to know much. The public has the right to know if he/she does know enough to be able to carry out such a project. These books are the proof, if John Searl knows enough to be able to produce the goodies which he wants to produce. What you have heard about Searl, are they False or True ?

For the first time Searl speaks out, and show to you the REAL FACTS that applies to him. From these books you will know what is real and what is false.

My work involves thousands of people and companies..my thinking runs over 1000's of years..not just on a spear of a moment in time. You may think no one has ever helped me..but the TRUTH, is quite a few have. But for real effect, many have to pull together, then we shall see some results. Prince Charles made that statement the other day in his speech, that it's no good just ^{one} man shouting, thousands have to shout to get things done, or nothing will be done..that is what I have been telling you since 1946..now at last, a Prince is making that same statement. But it seems to me that all expect just one man to clean up this earth and get to the moon..NASA cannot do it, with all the money and man power available to them.

My RELIGION is written in my HEART while your's is written on STONE. That is just one thing different between us. I study all things in NATURE, you only study that which interests you. I may not study football, cricket and such like, but I enjoy watching people dancing, ice skating, swimming and seeing children swimming naked is really wonderful..to stop and think who on earth, could have invented such a device called Man.

The single, living primate species HOMO SAPIENS, which constitutes the family

Hominidae. Recent man has a worldwide distribution; he populated the Americas about 20,000 years ago and reached the outer islands of Oceania, such as Hawaii and New Zealand, about 500 to 1000 years ago. Four to seven major geographical races or subspecies of man are recognized by me. All recent races of man are capable of interbreeding and hence they are forming a single biological species. This very fact is making it almost impossible to follow man's steps to the present time.

Within each major subspecies many recognizable local geographical populations of man exist. The limits of many of these populations have become increasingly blurred over the past several centuries because of extensive migrations and interbreeding. Within geographically delimited populations, man is highly polymorphic (as opposed to polytypical, which refers to geographical variation), showing considerable variation in pheno-typical features in every population. Because of the ease of obtaining information about pheno-typical variation in man, primarily from blood typing, man is an excellent subject to study.

To me in physical structure man is erect and fully bipedal with hindlimbs that are longer than the forelimbs and with an opposable thumb but not opposable big toe. Bipedalism freed the forelimbs from their role of locomotion and permitted them to acquire a major role as grasping organs. I believe that the evolution of grasping forelimbs was an essential stage in the evolution of a large brain and human intelligence. Bipedalism has also resulted in many disadvantages, such as the mechanically poor structure of the back and pelvic girdle.

Man's most important characteristic is his large brain and associated intelligence. This mental capacity makes man highly adaptable, able to modify and control his environment to a great extent. Even primitive man was able to spread into and to survive in all areas of the globe.

On the basis of his other pheno-typical features, man is close to other anthropoid apes and may not warrant being placed in a separate family. Yet his intelligence does represent a major evolutionary step. I agree that his taxonomic position is best shown in the conservative view of man as a distinct family.

I often ask myself can all this be REAL ? Or is it just a DREAM. Everything around us, is purely an illusion which we take for granted and go along with it. For what we see is different to other creatures and amongst our own species often see the thing in a different light. In reference to the naked human playing, dancing, swimming being dirty, disgusting or a pervert..tells me that they have something very much wrong with their brain, for the human body is indeed a marvellous engineering achievement, which as yet no man has been able to equal. My work is for the benefit of mankind as a whole, and I happen to be one of them, as such I must understand man's structures and functions, without this knowledge I cannot design for his benefit.

SCIENCE IS STRANGER THAN FICTION

It will be difficult for science to abandon the experiments of Hertz and Fresnel, who settled on the wave theory of light. However, when science is asked to explain electronic theory, the wave theory is put aside, when atomic theory is in question, it turns things upside down and then states that the electron is a particle, and has recourse to Plank's theory.

It is best never to use two interpretations in one science, in order to explain the same theory.

If we take the necessary time to scrutinize our history books, we will find that the actual inventor of a device or scientist who developed a theory, never received the proper credit for his work.

As explained by Dr. Edwin Boring, who is Professor of Psychology, at Harvard University, he stated that mankind singles out great men, whom they manipulate like pawns for the writing of their history books.

The way history is written, great men make great discoveries, Newton and Leibnitz, invented calculators, Adams and Leverrier, within a few days of each other, discovered the planet Uranus.

Some discoveries have been discovered at least nine times.

The history of science would be more scientific if it was based on anonymous facts, rather than the personalities of the men who made the discoveries.

Surely the history of science, would appear more scientific, if it was able to rid itself of this personality complex.

Some day a revolution in thinking will emerge, with man surrendering his vanity for the sake of a better understanding.

As living proof, permit us to briefly review some of our history in science.

During the 1800's Alessandro Volta, Italian Physicist and Luigi Galvani — Italian Physician.

Volta had to work between bouts of accusations and public insults, while Galvani, tried to remove Volta from being a thorn in his side.

During the 1820's Andre Marie Ampere and Oerstead, also, James Clark Maxwell.

During the 1830's Michael Farady and James Clark Maxwell,

Maxwell used Farady's principals to formulate the basis for his equations for electromagnetic waves.

During 1885 Thomas Alva Edison and Marconi.

Who invented Radio?

During the 1930's It was said that you could not have sustained flight without the use of a propeller driven engine. However, the German inventor Willy Messerschmitt developed the jet fighter.

It was said that you could not fly a wingless carft. However, the Germans flew their famous V-2 rockets.

During the 1940's It was said that man could not fly faster than sound. However, he did.

During the 1950's It was said that man could not fly faster than 5,000 m.p.h. However, he did.

It was said that man would never be able to live in outer space for sustained periods of time.

However, he did.

It was said that if man landed on the Moon, he would be swallowed up by the sea of the sands.

However, he was not.

It was said that man could not survive the "G" force of acceleration to 15,000 m.p.h.

However, he did.

During the 1960's Our great automotive engineers in Detroit, announced that the Wankel engine would never work. However, seven years later, all of the automotive companies are going to use Wankel engines.

Yes my dear readers, these are but a few of the cherished facts of our great scientists, a rare collection of scientific facts, or did I make a mistake by using its proven name, fiction.

Now, allow me to introduce you to the most significant development to date, to be made in the field of aerodynamics. This prize package is none other than our Levity Disc. The unique craft offering mankind the chance of a life time. Some of the advantages which can be derived from such a craft are:—

1. No air pollution
2. Minimum fuel consumption
3. Better than hypersonic speeds
4. Long range
5. Larger pay loads
6. Reduced cost in construction

At this time, you must now prepare yourself for a totally new concept in the art of aerodynamics.

However, the Levity Disc was not designed or developed by a famous person such as—Werner Von Braun or a Willy Messerschmitt, no, it was invented and designed by a brilliant English engineer, by the name of John Robert Searl. I see by the look on your face, that you are saying impossible. Impossible, only if we brain wash ourselves into believing that it is impossible. Remember, no one in this world has a corner on the vast market of brains.

Therefore, to deny that fact that Mr. Searl is the true inventor of the Levity Disc, would mean, that there is no night only day, and that the earth is not round but flat.

Wake up dear readers, wake up, the hour of truth is now here, arise, and look upon your new gift of knowledge use it wisely, and you shall travel the Universe, abuse it, and you shall have a new resting place, from dust and to dust you shall return.

Again an amazing letter written by a titled person all the way in New Jersey, U.S.A. Or at least that is what he signs himself as. You may state, that any one could have written such a letter, so why did he not help you.

The TRUTH is, that he did help me..in FACT he helped that much, that between the 2 of us things really moved forward in less than 12 months the materials for the manned flight side was taking shape. Then why did he stop helping...I can only conclude that somewhere along the line he talked to some one that convinced him that he could get a fortune if he could get hold of my S.E.G. which I ran my house on. For I started to get urgent telegrams not to go to New Zealand to make the S.E.G. because his special agents had told him that Russian spies were going to kidnap me to steal my work. Then came very high references to support his character as the one who should have the S.E.G. to test at his home for 14 days..to certify that it works..it had been working in my house for years and he saw it working when he called against my instructions. I asked Scotland Yard to confirm his reference..they laugh@d at his claims, and asked me, to ask him in which department he worked and under who? Upon this advice, I rushed a telegram to Dr.White, telling him not to come unless he can first clear up his claims as reference asking him the questions, Scotland Yard had asked me to write him. But White did not reply.

Instead, he still came, only with, what he claimed was his Attorney, to collect the S.E.G. British Television was present to cover my project, so they were also involved in that film. Dr.White before the camera, stated that he would give me $\frac{1}{2}$ million for the S.E.G...but the TRUTH was that he never had a penny to give me. If you want something which another has spent his lifetime achieving, with no pleasure and suffered, you pay that person to make you one, the cost would have been £1,000,000.00 then, today its £10,000,000 at least to re-make that S.E.G...I warned him that the cost would jump with time..next year it will cost even more to do. So the longer we wait the higher the cost. Dr.White never did answer the questions, requested of him, for Scotland Yard, upon that, I would state that he admits his References were false.

Dr.White worked on Rev.George Nickolson to make me give it to him..He even invited us to launch on a Sunday at the Ship Hotel in Reading, but I declined as the launch was in his mind, the route for me to give him the S.E.G. Rev.Nicholson went though I told him not to. The meeting resulted in Rev. Nicholson not communicating with me for some time. Dr.White on his return sent many different contacts to Rev. Nicholson to get me to sign, all were really no different..my solicitor just laugh at them, that they were not worth their cost in paper, in court.

On the other hand, Mr.William Sherwood was also used by Dr.White to press me into agreeing with his offer, its clear to me that Sherwood took White at face value like Nickolson, and myself had done. Because I could not in the name of my investors, or my family accept such a stupid contract..Sherwood discontinued to help me. I am not in doubt, that Sherwood would have got some kind of handshake out of the deal..he would more likely got more, than I would have got out of it...but thousands of other investors would have got nothing at all..I doubt very much if I would have got anything. I had a home and a job to loose..Dr.White had nothing to loose. Dr.White was on a sure winner, and I was on a sure loser. I am talking about a REAL WORLD not an IMAGINATION WORLD, which too often are the contracts which are sent to me..you know the kind of thing IN THE NAME OF GOD ITS MY DUTY TO MAKE THEM RICH WHILE I REMAIN A BEGGAR.

In other books we shall look at some of the contracts filed here from others, and you need no brains to get the message.

It is sad when people help you, then they stop helping, due to some one trying to take your life's work away from you as theirs, because every one loses, no one gains. People who you stood up for, by not signing that agreement runs you down, for protecting them and their rights. Today, I say right, what the use of me protecting your rights if you shit on me afterwards. I am losing out in protecting your rights. So now, I will proceed as I now see fit, if or if not you will benefit. It is sure that those now directly involved with the work, will benefit from it.

Remember that time is money.

But in this world nothing can be said to be certain, except death and taxes.

The law must be stable, but it must not stand still.

The hardest thing in the world to understand is income tax. It robs the inventor left, right and centre.

Every angle of the Government simply robs me, the problem is, how to cheat them at their own game?

I shall be giving you some data in this issue to think about, because I too have to think about it. I shall also discuss my findings upon some company's products, which I hope will warn you to be careful about what you buy, as your eyes can deceive you, and the price can cause you to believe it must be good.

SPACE SHARING BY THE SQUARES.

SHARING OF SQUARE 11 WITH 17 +

There are no units of square 11 sharing with squares 17 and 18 in book 1.

SQUARE 11			SQUARE 17		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3553	264	39083	66	60401	8	67507
There are 1 unit of square 11 sharing squares 17 and 19 in book 1.						

TRUTH TABLE FOR SQUARE 11 NOT SHARING WITH SQUARE 17 and 18.

SQUARE 17 and 20.

TRUTH TABLE FOR SQUARE 11 SHARING WITH

SQUARE 17 and 19, = 1 time.

TRUTH TABLE FOR SQUARE 11 NOT SHARING WITH

SQUARE 18 and 19.

SQUARE 18 and 20.

TRUTH TABLE FOR SQUARE 12 NOT SHARING WITH

SQUARE 13 and 14.

SQUARE 13 and 15.

SQUARE 13 and 16.

SQUARE 13 and 17.

SQUARE 13 and 18.

SQUARE 13 and 19.

SQUARE 13 and 20.

There are no units of square 13 sharing with squares 14 and 15 in book 1.

TRUTH TABLE FOR SQUARE 13 NOT SHARING WITH

SQUARE 14 and 15.

SQUARE 14 and 16.

SQUARE 14 and 17.

SQUARE 14 and 18.

SQUARE 14 and 19.

SQUARE 14 and 20.

SQUARE 15 and 16.

SQUARE 15 and 17.

SQUARE 15 and 18.

SQUARE 15 and 19.

SQUARE 15 and 20.

SQUARE 16 and 17.

SQUARE 16 and 18.

SQUARE 16 and 19.

SQUARE 16 and 20.

There are no units of square 13 sharing with squares 17 and 18 in book 1.

SQUARE 13			SQUARE 17		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4199	240	54587	104	71383	42	79781
There are 1 unit of square 13 sharing with squares 17 and 19 in book 1.						

TRUTH TABLE FOR SQUARE 13 NOT SHARING WITH SQUARE 17 and 18.

SQUARE 17 and 20.

TRUTH TABLE FOR SQUARE 13 SHARING WITH

SQUARE 17 and 19, = 1 time.

In book 1 there are no more groups of 3's sharing. So I will save the space and continue with the 4 sharing group.

There are no units of squares 3 + 4 + 5 + 6 sharing in book 1.

SQ	VALUE	LEVEL	SUM
3	210	67	630
4	210	46	840
5	210	31	1050
7	210	7	1470

There are 1 unit of square 3 sharing with squares 4 + 5 + 7 in book 1.

I feel by now you have got the message that the spacing between the squares can be very large thus the chances of any one making the S.E.G. is extremely small. Thus giving me a safety valve.

I will now complete only the sharing groups and leave out the gaps.

SQ	VALUE	LEVEL	SUM
3	450	147	1350
4	450	106	1800
5	450	79	2250
9	450	11	4050
3	810	267	2430
4	810	196	3240
5	810	151	4050
9	810	51	7290

There are 2 units of squares 3 + 4 + 5 + 9 sharing in book 1.

Did you know that 15% of the skeleton is lost through ageing.

SHARING OF THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
870	287	2610	211	3480	163	4350	2	10440
930	307	2790	226	3720	175	4650	7	11160
1110	367	3330	271	4440	211	5550	22	13320
1230	407	3690	301	4920	235	6150	32	14760
1290	427	3870	316	5160	247	6450	37	15480
1410	467	4230	346	5640	271	7050	47	16920
1590	527	4770	391	6360	307	7950	62	19080
There are 7 units of square 3 sharing with squares 4 + 5 + 12 in book 1.								

SQUARE 3			SQUARE 4		SQUARE 7		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
378	123	1134	88	1512	31	2646	3	3402
There are 1 unit of square 3 sharing with squares 4 + 7 + 9 in book 1.								

SQUARE 3			SQUARE 4		SQUARE 7		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
966	319	2898	235	3864	115	6762	10	11592
1218	403	3654	298	4872	151	8526	31	14616
1302	431	3906	319	5208	163	9114	38	15624
1554	515	4662	382	6216	199	10878	59	18648
1722	571	5166	424	6888	223	12054	73	20664
1806	599	5418	445	7224	235	12642	80	21672
1974	655	5922	487	7896	259	13818	94	23688
2058	683	6174	508	8232	271	14406	101	24696
2226	739	6678	550	8904	295	15582	115	26712
2478	823	7434	613	9912	331	17346	136	29736
2562	851	7686	634	10248	343	17934	143	30744
2814	935	8442	697	11256	379	19698	164	33768
2982	991	8946	739	11928	403	20874	178	35784
3066	1019	9198	760	12264	415	21462	185	36792
3318	1103	9954	823	13272	451	23226	206	23226
3486	1159	10458	865	13944	475	24402	220	41832
3738	1243	11214	928	14952	511	26166	241	44856
4074	1355	12222	1012	16296	559	28518	269	48888
4242	1411	12726	1054	16968	583	29694	283	50904
4326	1439	12978	1075	17304	595	30282	290	51912
4494	1495	13482	1117	17976	619	31458	304	53928
4578	1523	13734	1138	18312	631	32046	311	54936
There are 22 units of square 3 sharing with squares 4 + 7 + 12 in book 1.								

You may wonder if it is possible for hair to go totally white overnight ? The answer is NO..a fully grown hair is actually dead tissue and not accessible to change. It takes 3 whole months for hair to go grey.

Did you know that a normal adult head has 100,000 hairs on it.

Did you know that 60% of the body weight is water.

Let us take a look at what I am saying about these tables...

(a)..a space to be filled = 966 grams.

(b)..we have only 4 space frames in the offer, which are 3 plus 4 plus 7 and plus 12. There are no other frames available.

(c)..the number of options vary in reference to which space frame you go for.

(d)..Square 3 offers 8 options.

(e)..Square 4 offers 10 options.

(f)..Square 7 offers 16 options.

(g)..Square 12 offers 26 options.

(h)..Thus there are 60 different options open to us..that is the actual total present at face value.

(i)..There are 2 group 1's, and 2 group 2's.

(j)..Each space frame has its own time frame. The frequency for each level it is raised.

(k)..The frequency used at level 1 will not print a level 2 or any other level. But it will print any options available in level 1 as long as it meets the mathematical rule for that space frame.

(l)..The frequency used in space frame 3, will not print any level in the space frame 4 or in fact any other space frame.

325	318	323
320	322	324
321	326	319

LINE VALUE = 966
SUM = 2898
OPTIONS = 8
 $\frac{1}{2} = 322 = \frac{1}{2}$ of line.

Note that the sum applies to this frame only at this level only.

The options apply to this frame regardless of its frame level.

The line value applies only to this frame level only of this space frame.

The space frame is square 3.

Did you know that heartburn is not a sign of a very weakened heart, but that it is just a name given to burning feelings from over-eating or eating rich food.

The cost of food today is enough to give me heartburn, I do not have to eat it to see if I get heartburn.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 9		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
918	303	2754	223	3672	63	8262	6	11016
954	315	2862	232	3816	67	8586	9	11448
1026	339	3078	250	4104	75	9234	15	12312
1062	351	3186	259	4248	79	9558	18	12744
1098	363	3294	268	4392	83	9882	21	13176
1206	399	3618	295	4824	95	10854	30	14472
1242	411	3726	304	4968	99	11178	33	14904
1278	423	3834	313	5112	103	11502	36	15336
1314	435	3942	322	5256	107	11826	39	15768
1422	471	4266	349	5688	119	12798	48	17064
1458	483	4374	358	5832	123	13122	51	17496
1494	495	4482	367	5976	127	13446	54	17928
1566	519	4698	385	6264	135	14094	60	18792
1602	531	4806	394	6408	139	14418	63	19224
1674	555	5022	412	6696	147	15066	69	20088
1746	579	5238	430	6984	155	15714	75	20952
1818	603	5454	448	7272	163	16362	81	21816
1854	615	5562	457	7416	167	16686	84	22248
1926	639	5778	475	7704	175	17334	90	23112
1962	651	5886	484	7848	179	17658	93	23544
1998	663	5994	493	7992	183	17982	96	23976
2034	675	6102	502	8136	187	18306	99	24408
2214	735	6642	547	8856	207	19926	114	26568
2286	759	6858	565	9144	215	20574	120	27432
2322	771	6966	574	9288	219	20898	123	27864
2358	783	7074	583	9432	223	21222	126	28296
2466	819	7398	610	9864	235	22194	135	29592
2502	831	7506	619	10008	239	22518	138	30024
2538	843	7614	628	10152	243	22842	141	30456
2682	891	8046	664	10728	259	24138	153	32184
2718	903	8154	673	10872	263	24462	156	32616
2826	939	8478	700	11304	275	25434	165	33912
2862	951	8586	709	11448	279	25758	168	34344
2934	975	8802	727	11736	287	26406	174	35208
3006	999	9018	745	12024	295	27054	180	36072
3078	1023	9234	763	12312	303	27702	186	36936
3114	1035	9342	772	12456	307	28026	189	37368
3186	1059	9558	790	12744	315	28674	195	38232
3222	1071	9666	799	12888	319	28998	198	38664
3258	1083	9774	808	13032	323	29322	201	39096
3294	1095	9882	817	13176	327	29646	204	39528
3438	1143	10314	853	13752	343	30942	216	41256
3474	1155	10422	862	13896	347	31266	219	41688
3546	1179	10638	880	14184	355	31914	225	42552
3582	1191	10746	889	14328	359	32238	228	42984
3618	1203	10854	898	14472	363	32562	231	43416
3726	1239	11178	925	14904	375	33534	240	44712
3798	1263	11394	943	15192	383	34182	246	45576
3834	1275	11502	952	15336	387	34506	249	46008
3942	1311	11826	979	15768	399	35478	258	47304
4014	1335	12042	997	16056	407	36126	264	48168
4086	1359	12258	1015	16344	415	36774	270	49032
4122	1371	12366	1024	16488	419	37098	273	49464
4194	1395	12582	1042	16776	427	37746	279	50328
4266	1419	12798	1060	17064	435	38394	285	51192

239	245	236	246
248	234	243	241
242	240	249	235
237	247	238	244

SQUARE = 4
LEVEL = 235
LINE VALUE = 966
SUM = 3864
OPTIONS = 10

- (a)..The space frame is the same.
- (b)..The time frame is much slower.
- (c)..The layers are different.
- (d)..The atomic matrix is different.
- (e).. The frequency is different.

143	152	161	114	123	132	141
151	160	120	122	131	140	142
159	119	121	130	139	148	150
118	127	129	138	147	149	158
126	128	137	146	155	157	117
134	136	145	154	156	116	125
135	144	153	162	115	124	133

We see as the space frame enlarges the time frame reduces. This is precisely what we find in the real world.

SQUARE = 7
LEVEL = 115
LINE VALUE = 966
SUM = 6762
OPTIONS = 16

As I cannot produce the square 12 block in this space available ,so I will do it when I have space suitable. In the mean time lets look at these squares absolute block.

7	0	5
2	4	6
3	8	1

SQUARE 3 ABSOLUTE
LEVEL = 1
LINE VALUE = 12
SUM = 36
OPTIONS = 8

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

SQUARE = 4 ABSOLUTE
LEVEL = 1
LINE VALUE = 30
SUM = 120
OPTIONS = 10

Did you know that Varicose veins can be a hereditary condition.

Did you know that the average body supply of blood is five litres.

SHARING BY THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 9		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4302	1431	12906	1069	17208	439	38718	288	51624
4338	1443	13014	1078	17352	443	39042	291	52056
4374	1455	13122	1087	17496	447	39366	294	52488
4482	1491	13446	1114	17928	459	40338	303	53784
4518	1503	13554	1123	18072	463	40662	306	54216
There are 60 units of square 3 sharing with squares 4 + 9 + 12 in book 1.								

16	23	0	7	14
22	4	6	13	15
3	5	12	19	21
9	11	18	20	2
10	17	24	1	8

SQUARE 5 ABSOLUTE
LEVEL 1
GROUP 1
SUM 300
LINE VALUE 60
OPTIONS 12

22	140	33	127	104	58	81	79	56	106	19	141
151	9	146	46	69	91	86	94	117	43	130	32
11	149	48	114	67	93	96	66	41	119	144	18
138	24	125	35	82	80	77	83	108	54	29	131
26	136	37	123	74	88	63	97	52	110	15	145
147	13	112	50	99	61	86	76	121	39	134	28
133	27	122	40	85	75	100	62	111	49	148	14
16	146	51	109	64	98	73	87	38	124	25	135
30	132	107	53	78	84	59	101	126	36	137	23
143	17	42	120	95	65	90	72	47	113	12	150
129	31	118	44	89	71	70	92	115	45	152	10
20	142	55	105	60	102	103	57	34	128	21	139

SQUARE 12.
SUM 11592.

LEVEL 10.
LINE VALUE 966.

GROUP 2.
OPTIONS 26.

Let us investigate the absolute value build up of the squares.

SQUARE 3.LEVEL 1.LINE VALUE 12.SUM 36.

It is made up of 2 squares.

CENTRE SQUARE = 4.

SQUARE 2 = 32

4 CORNERS = 16..thats the sum ÷ by 2 — 2.

SQUARE 4.LEVEL 1.LINE VALUE 30.SUM 120.

SQUARE 1 = 30

SQUARE 2 = 90

4 CORNERS = 30

13	131	24	118	95	49	72	70	47	97	10	132
142	0	107	37	60	82	59	85	108	34	121	23
2	140	39	105	58	84	87	57	32	110	135	9
129	15	116	26	73	71	68	74	99	45	20	122
17	127	28	114	65	79	54	88	43	101	6	136
138	4	103	41	90	52	77	67	112	30	125	19
124	18	113	31	76	66	91	53	102	40	139	5
7	137	42	100	55	89	64	78	29	115	16	126
21	123	98	44	69	75	50	92	117	27	128	14
134	8	33	111	86	56	81	63	38	104	3	141
120	22	109	35	80	62	61	83	106	36	143	1
11	133	46	96	51	93	94	48	25	119	12	130

SQUARE 12.
SUM 10296.

LEVEL 1.
LINE VALUE 858.

GROUP 2.
OPTIONS 26.

Level 1 is the absolute value for that square.

Did you know that some people think that our bodies do not need to have any cholesterol..The TRUTH is,it does need cholesterol which helps to produce sex hormones.

So there are 2 squares per set,thus 2 states are present. One must have a single point to start from while the other must have a square of 4 units.In NATURE there are no other choices.

GROUP 1s all belong to a single point SQUARE 1 rule. While GROUP 2s and GROUP 3s belong to the 4 units: square 1 set rule.

If square 1 = 1 unit then square 2 = 8 units thats the LAW OF NATURE.

If square 1 = 4 units then square 2 = 12 units thats the LAW OF NATURE.

These laws remain TRUE regardless to the size of the square.

Group 1s roate while group 2s ossillates.

At this stage of investigation it looks like the 4 corners for a group 2 is the sum ÷ by the 4 units of square 1. For $120 \div 4 = 30$. We shall see..I can state now that it is doubtful that will be a rule..I feel we shall fine that what ever the centre value is all 4 corners of each square will equal the same,if so,that will be the rule.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 11		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
858	283	2574	208	3432	19	9438	1	10296
1122	371	3366	274	4488	43	12342	23	13464
1254	415	3762	307	5016	55	13794	34	15048
1518	503	4554	373	6072	79	16698	56	18216
1914	635	5742	472	7656	115	21054	89	22968
2046	679	6138	505	8184	127	22506	100	24552
2442	811	7326	604	9768	163	26862	133	29304
2706	899	8118	670	10824	187	29766	155	32472
2838	943	8514	703	11352	199	31218	166	34056
3102	1031	9306	769	12408	223	34122	188	37224
3498	1163	10494	868	13992	259	38478	221	41976
3894	1295	11682	967	15576	295	42834	254	46728
4026	1339	12078	1000	16104	307	44286	265	48312
4422	1471	13266	1099	17688	343	48642	298	53064
There are 14 units of square 3 sharing with squares 4 + 11 + 12 in book 1.								

SQUARE 3			SQUARE 4		SQUARE 12		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1326	439	3978	325	5304	40	15912	19	17238
1482	491	4446	364	5928	53	17784	31	19266
1794	595	5382	442	7176	79	21528	55	23322
2262	751	6786	559	9048	118	27144	91	29406
2418	803	7254	598	9672	131	29016	103	31434
2886	959	8658	715	11544	170	34632	139	37518
3198	1063	9594	793	12792	196	38376	163	41574
3354	1115	10062	832	13416	209	40248	175	43602
3666	1219	10998	910	14664	235	43992	199	47658
4134	1375	12402	1027	16536	274	49608	235	53742
4602	1531	13806	1144	18408	313	55224	271	59826
There are 11 units of square 3 sharing with squares 4 + 12 + 13 in book 1.								

SQUARE 3			SQUARE 4		SQUARE 12		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2958	983	8874	733	11832	176	35496	31	50286
3162	1051	9486	784	12648	193	37944	43	53754
3774	1255	11322	937	15096	244	45288	79	64158
4182	1391	12546	1039	16728	278	50184	103	71094
4386	1459	13158	1090	17544	295	52632	115	74562
There are 5 units of square 3 sharing with squares 4 + 12 + 17 in book 1.								

Did you know that in the U.K. people are most likely to name their new house after their home town, followed by the place you took your honeymoon and, coming in third, the name of a tree...But I am an exceptional to the rule, I will name my new home EZEKIEL after my research project class.

Did you know that the brain must have 750 cubic cm of fresh blood every minute of every day.

SQUARE 3 and SQUARE 4 is one pair, they have a frame that consists of 2 squares.

But SQUARE 5 and SQUARE 6 are the next pair, but this pair different, as the first pair are a group 1 and 2, this pair is a group 1 and 3.

SQUARE 5, LEVEL 1, LINE VALUE 60, SUM 300.

SQUARE 1 = 12 TOTAL 1 SQUARE.
SQUARE 2 = 96 TOTAL 8 SQUARES.
SQUARE 3 = 192 TOTAL 16 SQUARES.

We can see that SQUARE 2 results are the value of SQUARE 1 x 8.

We can see that SQUARE 3 results from SQUARE 1 x 16.

Or the results can be got by SQUARE 2 x 2.

SQUARE 6, LEVEL 1, LINE VALUE 105, SUM 630.

SQUARE 1 = 70 TOTAL 4 SQUARES.
SQUARE 2 = 210 TOTAL 12 SQUARES.
SQUARE 3 = 350 TOTAL 20 SQUARES.

We can see that SQUARE 2 is the results of SQUARE 1 x 3.

We can also see that SQUARE 3 is the result of SQUARE 1 x 5.

We can also see that SQUARE 3 cannot be obtained by SQUARE 2 x 2.

We can see that there is no relationship between SQUARE 2 and SQUARE 3.

There is no whole value in which SQUARE 2 can be multiplied to obtain the required value of SQUARE 3.

TRUTH shows that the second pair is entirely different domain..it is this in NATURE which separates man from cats, cows and fish.

In book 18 we shall look at the squares rest frames, this shows clearly the separation bands of galaxy from each other, here on earth animals, birds and fish.

SQUARE 5 FOUR CORNERS OF SQUARES.
SQUARE 2 = 48
SQUARE 3 = 48

We can see that the corners are the result of SQUARE 1 x 4.

SQUARE 6 FOUR CORNERS OF SQUARES.
SQUARE 2 = 70
SQUARE 3 = 70

What we see is that SQUARE 1 x 1 is the value of all corners.

Did you know that steady swimming burns up more calories than tennis. Of course you will burn up more if you got to fight with raw sewage, tin cans and what not for space in the water.

SPACE SHARING WITH THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 12		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3534	1175	10602	877	14136	224	42408	7	67146
4218	1403	12654	1048	16872	281	50616	43	80142

There are 2 units of square 3 sharing with squares 4 + 12 + 19 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
315	102	945	52	1575	36	1890	22	2205

There are 1 unit of square 3 sharing with squares 5 + 6 + 7 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
405	132	1215	70	2025	51	2430	6	3645

There are 1 unit of square 3 sharing with squares 5 + 6 + 9 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
555	182	1665	100	2775	76	3330	7	5550
615	202	1845	112	3075	86	3690	13	6150
645	212	1935	118	3225	91	3870	16	6450
705	232	2115	130	3525	101	4230	22	7050
795	262	2385	148	3975	116	4770	31	7950
885	292	2655	166	4425	131	5310	40	8850
915	302	2745	172	4575	136	5490	43	9150
975	322	2925	184	4875	146	5850	49	9750
1005	332	3015	190	5025	151	6030	52	10050
1065	352	3195	202	5325	161	6390	58	10650
1095	362	3285	208	5475	166	6570	61	10950
1185	392	3555	226	5925	181	7110	70	11850
1245	412	3735	238	6225	191	7470	76	12450
1275	422	3825	244	6375	196	7650	79	12750
1335	442	4005	256	6675	206	8010	85	13350
1425	472	4275	274	7125	221	8550	94	14250
1455	482	4365	280	7275	226	8730	97	14550
1515	502	4545	292	7575	236	9090	103	15150
1545	512	4635	298	7725	241	9270	106	15450
1605	532	4815	310	8025	251	9630	112	16050
1635	542	4905	316	8175	256	9810	115	16350

There are 21 units of square 3 sharing with squares 5 + 6 + 10 in book 1.

Did you know that there are 12 pairs of ribs enclosing the chest. NOTE OUR FAMOUS 12 POPS UP AGAIN IN NATURE.

Did you know that the initials PMT stands for PRE-Menstrual Tension.

SQUARE 7,LEVEL 1,LINE VALUE 168,SUM 1176.

29	38	47	0	9	18	27
37	46	6	8	17	26	28
45	5	7	16	25	34	36
4	13	15	24	33	35	44
12	14	23	32	41	43	3
20	22	31	40	42	2	11
21	30	39	48	1	10	19

OPTIONS = 16. GROUP = 1.

SQUARE 1 = 24 TOTAL 1 SQUARE
 SQUARE 2 = 192 TOTAL 8 SQUARES
 SQUARE 3 = 384 TOTAL 16 SQUARES
 SQUARE 4 = 576 TOTAL 24 SQUARES

We can see that SQUARE 2 value is obtained from SQUARE 1 x 8.

We can see that SQUARE 3 value is obtained from SQUARE 1 x 16.

We also see that SQUARE 3 value can be obtained by SQUARE 2 x 2.

We can see that SQUARE 4 value is obtained from SQUARE 1 x 24.

We can see that SQUARE 4 value cannot be obtained from SQUARE 3 x 2.

But SQUARE 3 x 1.5 will give you the value of SQUARE 4. But it is not related as it is a demical function.

But SQUARE 2 is related to SQUARE 4.Thus you can take SQUARE 2 x 3.

SQUARE 8,LEVEL 1,LINE VALUE 252,SUM 2016.

9	55	16	46	31	33	6	56
62	0	39	25	40	22	49	15
2	60	27	37	20	42	13	51
53	11	44	18	35	29	58	4
59	5	34	28	45	19	52	10
12	50	21	43	26	36	3	61
48	14	41	23	38	24	63	1
7	57	30	32	17	47	8	54

OPTIONS = 18. GROUP = 2.

SQUARE 1 = 126 TOTAL 4 SQUARES
 SQUARE 2 = 378 TOTAL 12 SQUARES
 SQUARE 3 = 630 TOTAL 20 SQUARES
 SQUARE 4 = 882 TOTAL 28 SQUARES

We can see that the value of SQUARE 2 is obtained from SQUARE 1 x 3.

We can see that the value of SQUARE 3 is obtained from SQUARE 1 x 5.

We can see that SQUARE 3 is not related to SQUARE 2. There is no whole value that SQUARE 2 can be multiplied by to get the value needed.

SHARING BY THE SQUARES.

SQUARE 3			SQUARE 5		SQUARE 7		SQUARE 8	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
420	137	1260	73	2100	37	2940	22	3360
There are 1 units of square 3 sharing with squares 5 + 7 + 8 in book 1.								

SQUARE 3			SQUARE 5		SQUARE 7		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1680	557	5040	325	8400	217	11760	1	25200
3360	1117	10080	661	16800	457	23520	113	50400
There are 2 units of square 3 sharing with squares 5 + 7 + 15 in book 1.								

SQUARE 3			SQUARE 5		SQUARE 8		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
540	177	1620	97	2700	37	4320	21	4860
900	297	2700	169	4500	82	7200	61	8100
1620	537	4860	313	8100	172	12960	141	14580
There are 3 units of square 3 sharing with squares 5 + 8 + 9 in book 1.								

SQUARE 3			SQUARE 5		SQUARE 8		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
660	217	1980	121	3300	52	5280	1	7260
There are 1 unit of square 3 sharing with squares 5 + 8 + 11 in book 1.								

SQUARE 3			SQUARE 5		SQUARE 8		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1740	577	5220	337	8700	187	13920	5	26100
1860	617	5580	361	9300	202	14880	13	27900
2220	737	6660	433	11100	247	17760	37	33300
2460	817	7380	481	12300	277	19680	53	36900
2580	857	7740	505	12900	292	20640	61	38700
2820	937	8460	553	14100	322	22560	77	42300
3180	1057	9540	625	15900	367	25440	101	47700
3540	1177	10620	697	17700	412	28320	125	53100
3660	1217	10980	721	18300	427	29280	133	54900
4020	1337	12060	793	20100	472	32160	157	60300
4260	1417	12780	841	21300	502	34080	173	63900
4380	1457	13140	865	21900	517	35040	181	65700
There are 12 units of square 3 sharing with squares 5 + 8 + 11 in book 1.								

Did you know that hiccups are spasms often caused by over eating.

Did you know that the letters S.E.G. stands for SEARL EFFECT GENERATOR.

We can see that SQUARE 4 value is obtained from SQUARE 1 x 7.

We can see that there is no relationship between SQUARE 2 and SQUARE 4, there are no whole values that can multiply Square 2 by.

We can see that there are no relationship between square 3 and square 4. Only decimal values can obtain the value needed.

46	57	68	79	0	11	22	33	44
56	67	78	8	10	21	32	43	45
66	77	7	9	20	31	42	53	55
76	6	17	19	30	41	52	54	65
5	16	18	29	40	51	62	64	75
15	26	28	39	50	61	63	74	4
25	27	38	49	60	71	73	3	14
35	37	48	59	70	72	2	13	24
36	47	58	69	80	1	12	23	34

SQUARE = 9. LINE VALUE = 360
GROUP = 1 SUM = 3240
OPTIONS = 20 LEVEL = 1

SQUARE 1 = 40 TOTAL 1 SQUARE
SQUARE 2 = 320 TOTAL 8 SQUARES
SQUARE 3 = 640 TOTAL 16 SQUARES
SQUARE 4 = 960 TOTAL 24 SQUARES
SQUARE 5 = 1280 TOTAL 32 SQUARES.

We can see that the value of SQUARE 2 is the results of SQUARE 1 x 8

We can see that the value of SQUARE 3 is the results of SQUARE 1 x 16.

But we can see that there is a relationship between SQUARE 2 and SQUARE 3, due to this we can get the value for SQUARE 3 from SQUARE 2 x 2.

We can see that the value for SQUARE 4 is obtained from SQUARE 1 x 24. But there is no relationship between SQUARE 4 and SQUARE 3. But there is a relationship between SQUARE 4 and SQUARE 2. Therefore we can obtain the value for SQUARE 4 from SQUARE 2 x 3.

We can see that the value for SQUARE 5 is obtained from SQUARE 1 x 32. But we can see that there is a relationship between SQUARE 2 and SQUARE 5, therefore we can get the value for SQUARE 5 from SQUARE 2 x 4. We can also see a relationship between SQUARE 3 and SQUARE 5, therefore we can get the value for SQUARE 5 from SQUARE 3 x 2. But we can see that there's no relationship between SQUARE 4 and SQUARE 5.

As you have seen that each square increases by 8 squares in all cases, but Groups 2 and 3 run out of step by 4 in reference to group 1. Nature started with group 1s.

I trust that I am documenting this work good enough for you clever people.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 5		SQUARE 9		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1800	597	5400	349	9000	161	16200	9	27000
2160	717	6480	421	10800	201	19440	33	32400
2880	957	8640	565	14400	281	25920	81	43200
3600	1197	10800	709	18000	361	32400	129	54000
4320	1437	12960	853	21600	441	38880	177	64800

There are 5 units of square 3 sharing with squares 5 + 9 + 15 in book 1.

SQUARE 3			SQUARE 5		SQUARE 11		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2640	877	7920	517	13200	181	29040	65	39600

There are 1 unit of square 3 sharing with squares 5 + 11 + 15 in book 1.

SQUARE 3			SQUARE 5		SQUARE 13		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3120	1037	9360	613	15600	157	40560	97	46800

There are 1 unit of square 3 sharing with squares 5 + 13 + 15 in book 1.

SQUARE 3			SQUARE 5		SQUARE 15		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2040	677	6120	397	10200	25	30600	1	32640
2280	757	6840	445	11400	41	34200	16	36480
2760	917	8280	541	13800	73	41400	46	44160
3000	997	9000	589	15000	89	45000	61	48000
3480	1157	10440	685	17400	121	52200	91	55680
3720	1237	11160	733	18600	137	55800	106	59520
4440	1477	13320	877	22200	185	66600	151	71040

There are 7 units of square 3 sharing with squares 5 + 15 + 16 in book 1.

SQUARE 3			SQUARE 5		SQUARE 15		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4080	1357	12240	805	20400	161	61200	97	69360

There are 1 unit of square 3 sharing with squares 5 + 15 + 17 in book 1.

Did you know that some men produce in excess of 400 million sperms when they ejaculates. That is a terrible lot of energy waste..thus human birth is random. If God had invented man, he would not had gamble on conception, he would had been positive about it, Just 2 sperms, one male one female that would only be needed, saving a mass of energy and wasted material. That is one reason for me not to believe in God.

11	89	20	78	95	4	39	61	8	90
98	0	69	31	85	14	70	28	81	19
2	96	33	67	75	24	26	72	17	83
87	13	76	22	65	34	63	37	92	6
49	48	52	46	44	54	64	56	42	40
50	51	47	53	45	55	35	43	57	59
93	7	62	36	41	58	77	23	86	12
16	82	27	73	25	74	32	66	3	97
80	18	71	29	15	84	68	30	99	1
9	91	38	60	5	94	21	79	10	88

SQUARE = 10
GROUP = 3
OPTIONS = 22

LINE VALUE = 495
SUM = 4950
LEVEL = 1

SQUARE 1 = 198
SQUARE 2 = 594
SQUARE 3 = 990
SQUARE 4 = 1386
SQUARE 5 = 1782

TOTAL 4 SQUARES
TOTAL 12 SQUARES
TOTAL 20 SQUARES
TOTAL 28 SQUARES
TOTAL 36 SQUARES

We can see that the value of SQUARE 2 is obtained from SQUARE 1 x 3.

We can see that the value for SQUARE 3 is obtained from SQUARE 1 x 5.

We can see that the value of SQUARE 4 is obtained from SQUARE 1 x 7.

We can see that the value of SQUARE 5 is obtained from SQUARE 1 x 9.

THE LAW OF THE SQUARES ARE PRECISE.

There is no relationship between SQUARE 2 and SQUARE 3.

There is no relationship between SQUARE 2 and SQUARE 4.

But there is a relationship between SQUARE 2 and SQUARE 5, thus we can get the value for SQUARE 5 from SQUARE 2 x 3.

There is no relationship between SQUARE 3 and SQUARE 4.

There is no relationship between SQUARE 3 and SQUARE 5.

There is no relationship between SQUARE 4 and SQUARE 5.

We shall take a closer look at these squares.

Did you know that the human body has 206 bones in all.

Did you know that a pulse is the number of heartbeats per minute.

Did you know that Pins and Needles are when vital blood and nerve messages can't get through.

Did you know that having sex is a good way to slim, as you burn up 200 calories a time. So keep up the good work and keep slim.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 5		SQUARE 15		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4560	1517	13680	901	22800	193	68400	61	86640

There are 1 unit of square 3 sharing with squares 5 + 15 + 19 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
441	144	1323	57	2646	40	3087	10	3969
567	186	1701	78	3402	58	3969	24	5103
819	270	2457	120	4914	94	5733	52	7371
1071	354	3213	162	6426	130	7497	80	9639
1197	396	3591	183	7182	148	8379	94	10773
1323	438	3969	204	7938	166	9261	108	11907

There are 6 units of square 3 sharing with squares 6 + 7 + 9 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1407	466	4221	218	8442	178	9849	4	19698
1491	494	4473	232	8946	190	10437	10	20874
1533	508	4599	239	9198	196	10731	13	21462
1659	550	4977	260	9954	214	11613	22	23226
1743	578	5229	274	10458	226	12201	28	24402
1869	620	5607	295	11214	244	13083	37	26166
2037	676	6111	323	12222	268	14259	49	28518
2121	704	6363	337	12726	280	14847	55	29694
2163	718	6489	344	12978	286	15141	58	30282
2247	746	6741	358	13482	298	15729	64	31458
2289	760	6867	365	13734	304	16023	67	32046
2373	788	7119	379	14238	316	16611	73	33222
2667	886	8001	428	16002	358	18669	94	37338
2751	914	8253	442	16506	370	19257	100	38514
2793	928	8379	449	16758	376	19551	103	39102
2877	956	8631	463	17262	388	20139	109	40278
2919	970	8757	470	17514	394	20433	112	40866
3129	1040	9387	505	18774	424	21903	127	43806
3171	1054	9513	512	19026	430	22197	130	44394
3297	1096	9891	533	19782	448	23079	139	46158
3381	1124	10143	547	20286	460	23667	145	47334
3423	1138	10269	554	20538	466	23961	148	47922
3507	1166	10521	568	21042	478	24549	154	49098
3633	1208	10899	589	21798	496	25431	163	50862
3759	1250	11277	610	22554	514	26313	172	52626
3801	1264	11403	617	22806	520	26607	175	53214
4011	1334	12033	652	24066	550	28077	190	56154
4053	1348	12159	659	24318	556	28371	193	56742
4137	1376	12411	673	24822	568	28959	199	57918
4179	1390	12537	680	25074	574	29253	202	58506
4263	1418	12789	694	25578	586	29841	208	59682
4431	1474	13293	722	26586	610	31017	220	62034
4557	1516	13671	743	27342	628	31899	229	63798

CONTINUE..

There are 33 units of square 3 sharing with squares 6 + 7 + 14 in book 1.

Let us check out the square differences between square 9 and square 10.

(a)..there are a value of 1710 greater in square 10 in relation to square 9.

(b)..SQUARE 1 difference = 158
 SQUARE 2 difference = 594
 SQUARE 3 difference = 350
 SQUARE 4 difference = 426
 SQUARE 5 difference = 502

(c)..Looking at the differences one cannot see any fingerprints,yet there is one.

(d)..DIFFERENCES BETWEEN SQUARE 1 and 2 = 116
 DIFFERENCES BETWEEN SQUARE 2 and 3 = 76
 DIFFERENCES BETWEEN SQUARE 3 and 4 = 76
 DIFFERENCES BETWEEN SQUARE 4 and 5 = 76

67	80	93	106	119	0	13	26	39	52	65
79	92	105	118	10	12	25	38	51	64	66
91	104	117	9	11	24	37	50	63	76	78
103	116	8	21	23	36	49	62	75	77	90
115	7	20	22	35	48	61	74	87	89	102
6	19	32	34	47	60	73	86	88	101	114
18	31	33	46	59	72	85	98	100	113	5
30	43	45	58	71	84	97	99	112	4	17
42	44	57	70	83	96	109	111	3	16	29
54	56	69	82	95	108	110	2	15	28	41
55	68	81	94	107	120	1	14	27	40	53

SQUARE 11. LINE VALUE = 660
 GROUP = 1 SUM = 7260
 OPTIONS = 24 LEVEL = 1

SQUARE 1 = 60 TOTAL 1 SQUARE
 SQUARE 2 = 480 TOTAL 8 SQUARES
 SQUARE 3 = 960 TOTAL 16 SQUARES
 SQUARE 4 = 1440 TOTAL 24 SQUARES
 SQUARE 5 = 1920 TOTAL 32 SQUARES
 SQUARE 6 = 2400 TOTAL 40 SQUARES

Yes you are right,I have been forgetting the corner values of the squares.

4 CORNERS SQUARE 2 = 240
 4 CORNERS SQUARE 3 = 240
 4 CORNERS SQUARE 4 = 240
 4 CORNERS SQUARE 5 = 240
 4 CORNERS SQUARE 6 = 240

Did you know that a stitch is not related to overworking the heart,but simply is cramp of the diaphragm or muscles between the ribs.

Did you know that women are born with around 70,000 ova (eggs). Some starter in life.

Did you know that your body temperature is higher during the day than it is during the night.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
891	294	2673	132	5346	60	8019	22	9801
1089	360	3267	165	6534	82	9801	40	11979
1683	558	5049	264	10098	148	15147	94	18513
1881	624	5643	297	11286	170	16929	112	20691
2277	756	6831	363	13662	214	20493	148	25047
2673	888	8019	429	16038	258	24057	184	29403
2871	954	8613	462	17226	280	25839	202	31581
There are 7 units of square 3 sharing with squares 6 + 9 + 11 in book 1.								

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1521	504	4563	237	9126	130	13689	34	19773
1989	660	5967	315	11934	182	17901	70	25857
2223	738	6669	354	13338	208	20007	88	28899
2691	894	8073	432	16146	260	24219	124	34983
There are 4 units of square 3 sharing with squares 6 + 9 + 13 in book 1.								

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2601	864	7803	417	15606	250	23409	10	44217
There are 1 unit of square 3 sharing with squares 6 + 9 + 17 in book 1.								

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2943	978	8829	474	17658	288	26487	3	52974
2979	990	8937	480	17874	292	26811	5	53622
2997	996	8991	483	17982	294	26973	6	53946
3033	1008	9099	489	18198	298	27297	8	54594
3051	1014	9153	492	18306	300	27459	9	54918
3123	1038	9369	504	18738	308	28107	13	56214
3141	1044	9423	507	18846	310	28269	14	56538
3177	1056	9531	513	19062	314	28593	16	57186
3231	1074	9693	522	19386	320	29079	19	58158
3249	1080	9747	525	19494	322	29241	20	58482
3303	1098	9909	534	19818	328	29727	23	59454
3321	1104	9963	537	19926	330	29889	24	59778
3357	1116	10071	543	20142	334	30213	26	60426
3411	1134	10233	552	20466	340	30699	29	61398
3429	1140	10287	555	20574	342	30861	30	61722
3447	1146	10341	558	20682	344	31023	31	62046
3483	1158	10449	564	20898	348	31347	33	62694
3501	1164	10503	567	21006	350	31509	34	63018
3537	1176	10611	573	21222	354	31833	36	63666
3573	1188	10719	579	21438	358	32157	38	64314

SQUARE 10 CORNERS.

4 CORNERS SQUARE 2 = 198
 4 CORNERS SQUARE 3 = 198
 4 CORNERS SQUARE 4 = 198
 4 CORNERS SQUARE 5 = 198

All corners equal square 1 value.

SQUARE 9 CORNERS.

4 CORNERS SQUARE 2 = 160
 4 CORNERS SQUARE 3 = 160
 4 CORNERS SQUARE 4 = 160
 4 CORNERS SQUARE 5 = 160

The corner value is SQUARE 1 x 4

SQUARE 11,4 corners was obtained by square 1 x 4.

So there are 2 LAWS for the corners :

- (1)..Group 1 = square 1 x 4
- (11).GROUP 2 & 3 = same value as SQUARE 1.

SQUARE 8 CORNERS.

4 CORNERS SQUARE 2 = 126
 4 CORNERS SQUARE 3 = 126
 4 CORNERS SQUARE 4 = 126

All corners are equal to square 1 value.

SQUARE 7 CORNERS.

4 CORNERS SQUARE 2 = 96
 4 CORNERS SQUARE 3 = 96
 4 CORNERS SQUARE 4 = 96

SQUARE 7,4 corners value obtained from square 1 x 4.

As this space is not enough for a square 12 to be presented. So I will have to fill this space with some other details.

As an consultant to this work,I must be able to advise upon which materials and components should be used for the best results. This means testing various products which appears to look good and test out its operations through other peoples use..this way I get to the TRUTH,after all that is what we need to know. What I have found out is that things which looks real great and cost a bomb,can in FACT be made from the cheapest products and materials and can be dangerous to many classes of people. One item which failed, that I shall tell you about is a GAS COOKER. I shall also be talking about HOT WATER TAPS and another firm who presents themselves on our television sets as the out of space science technology.What I write here upon these companys IS THE TRUTH,THE WHOLE TRUTH AND NOTHING BUT THE TRUTH.

In truth,that this book will warn others to be aware of products that they are buying.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3609	1200	10827	585	21654	362	32481	40	64962
3681	1224	11043	597	22086	370	33129	44	66258
3699	1230	11097	600	22194	372	33291	45	66582
3753	1248	11259	609	22518	378	33777	48	67554
3771	1254	11313	612	22626	380	33939	49	67878
3789	1260	11367	615	22734	382	34101	50	68202
3807	1266	11421	618	22842	384	34263	51	68526
3879	1290	11637	630	23274	392	34911	55	69822
3897	1296	11691	633	23382	394	35073	56	70146
3951	1314	11853	642	23706	400	35559	59	71118
3987	1326	11961	648	23922	404	35883	61	71766
4023	1338	12069	654	24138	408	36207	63	72414
4041	1344	12123	657	24246	410	36369	64	72738
4077	1356	12231	663	24462	414	36693	66	73386
4113	1368	12339	669	24678	418	37017	68	74034
4149	1380	12447	675	24894	422	37341	70	74682
4167	1386	12501	678	25002	424	37503	71	75006
4203	1398	12609	684	25218	428	37827	73	75654
4239	1410	12717	690	25434	432	38151	75	76302
4293	1428	12879	699	25758	438	38637	78	77274
4311	1434	12933	702	25866	440	38799	79	77598
4383	1458	13149	714	26298	448	39447	83	78894
4401	1464	13203	717	26406	450	39609	84	79218
4419	1470	13257	720	26514	452	39771	85	79542
4491	1494	13473	732	26946	460	40419	89	80838
4509	1500	13527	735	27054	462	40581	90	81162
4527	1506	13581	738	27162	464	40743	91	81486
4581	1524	13743	747	27486	470	41229	94	82458
There are 48 units of square 3 sharing with squares 6 + 9 + 18 in book 1.								

SQUARE 3			SQUARE 7		SQUARE 8		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
756	249	2268	85	5292	64	6048	45	6804
1764	585	5292	229	12348	190	14112	157	15876
2268	753	6804	301	15876	253	18144	213	20412
There are 3 units of square 3 sharing with squares 7 + 8 + 9 in book 1.								

SQUARE 3			SQUARE 7		SQUARE 8		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
924	305	2772	109	6468	85	7392	25	10164
There are 1 unit of square 3 sharing with squares 7 + 8 + 11 in book 1.								

SQUARE 3			SQUARE 7		SQUARE 8		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1092	361	3276	133	7644	106	8736	1	14196

There are 1 unit of square 3 sharing with squares 7 + 8 + 13 in book 1.

SQ	VALUE	LEVEL	SUM
3	3528	1173	10584
7	3528	481	24696
9	3528	353	31752
16	3528	94	56448
3	4536	1509	13608
7	4536	625	31752
9	4536	465	40824
16	4536	157	72576

There are 2 units of square 3 sharing with squares 7 + 9 + 16 in book 1.

SQ	VALUE	LEVEL	SUM
3	2184	725	6552
7	2184	289	15288
13	2184	85	28392
16	2184	10	34944

There are 1 unit of square 3 sharing with squares 7 + 13 + 16 in book 1.

SQ	VALUE	LEVEL	SUM
3	2856	949	8568
7	2856	385	19992
16	2856	52	45696
17	2856	25	48552

There are 1 unit of square 3 sharing with squares 7 + 16 + 17 in book 1.

SQ	VALUE	LEVEL	SUM
3	1188	393	3564
8	1188	118	9504
9	1188	93	10692
11	1188	49	13068
3	3564	1185	10692
8	3564	415	28512
9	3564	357	32076
11	3564	265	39204
3	4356	1449	13068
8	4356	514	34848
9	4356	445	39204
11	4356	337	47916

There are 3 units of square 3 sharing with squares 8 + 9 + 11 in book 1.

Did you know that some people actually think that they have blue coloured blood, where in FACT it is the blood vessel wall that can affect the colour that looks blue through skin.

Did you know that insulin does control the level of sugar in the body.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 8		SQUARE 9		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1404	465	4212	145	11232	117	12636	25	18252
4212	1401	12636	496	33696	429	37908	241	54756

There are 2 units of square 3 sharing with squares 8 + 9 + 13 in book 1.

SQUARE 3			SQUARE 8		SQUARE 11		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1716	569	5148	184	13728	97	18876	49	22308

There are 1 unit of square 3 sharing with squares 8 + 11 + 13 in book 1.

SQUARE 3			SQUARE 8		SQUARE 13		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2652	881	7956	301	21216	121	34476	13	45084

There are 1 unit of square 3 sharing with squares 8 + 13 + 17 in book 1.

SQUARE 3			SQUARE 8		SQUARE 17		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3876	1289	11628	454	31008	85	65892	25	73644

There are 1 unit of square 3 sharing with squares 8 + 17 + 19 in book 1.

SQUARE 3			SQUARE 9		SQUARE 11		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2376	789	7128	225	21384	157	26136	22	38016

There are 1 unit of square 3 sharing with squares 9 + 11 + 16 in book 1.

SQUARE 3			SQUARE 9		SQUARE 13		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2808	933	8424	273	25272	133	36504	49	44928

There are 1 unit of square 3 sharing with squares 9 + 13 + 16 in book 1.

SQUARE 3			SQUARE 9		SQUARE 16		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3672	1221	11016	369	33048	103	58752	73	62424

There are 1 unit of square 3 sharing with squares 9 + 16 + 17 in book 1.

SQ	VALUE	LEVEL	SUM
3	4104	1365	12312
9	4104	417	36936
16	4104	130	65664
19	4104	37	77976

There are one unit of square 3 sharing with squares 9 + 16 + 19 in book 1.

SQ	VALUE	LEVEL	SUM
3	3432	1141	10296
11	3432	253	37752
13	3432	181	44616
16	3432	88	54912

There are 1 unit of square 3 sharing with squares 11 + 13 + 16 in book 1.

SQ	VALUE	LEVEL	SUM
3	4488	1493	13464
11	4488	349	49368
16	4488	154	71808
17	4488	121	76296

There are 1 unit of square 3 sharing with squares 11 + 16 + 17 in book 1.

SQ	VALUE	LEVEL	SUM
4	770	186	3080
5	770	143	3850
7	770	87	5390
11	770	11	8470
4	3850	959	15400
5	3850	759	19250
7	3850	527	26950
11	3850	291	42350

There are 2 units of square 4 sharing with squares 5 + 7 + 11 in book 1.

SQ	VALUE	LEVEL	SUM
4	4130	1026	16520
5	4130	815	20650
7	4130	567	28910
20	4130	8	82600
4	4270	1061	17080
5	4270	843	21350
7	4270	587	29890
20	4270	15	85400

There are 2 units of square 4 sharing with squares 5 + 7 + 20 in book 1.

Did you know that when you cough air is expelled from the lungs at a speed of 600 miles an hour.

SPACE SHARING BY THE SQUARES.

SQUARE 4			SQUARE 5		SQUARE 11		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1430	351	5720	275	7150	71	15730	27	18590

There are 1 unit of square 4 sharing with squares 5 + 11 + 13 in book 1.

SQUARE 4			SQUARE 5		SQUARE 11		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4070	1011	16280	803	20350	311	44770	5	81400
4510	1121	18040	891	22550	351	49610	27	90200

There are 2 units of square 4 sharing with squares 5 + 11 + 20 in book 1.

SQUARE 4			SQUARE 5		SQUARE 13		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4030	1001	16120	795	20150	227	52390	3	80600

There are 1 unit of square 4 sharing with squares 5 + 13 + 20 in book 1.

SQUARE 4			SQUARE 5		SQUARE 17		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4250	1056	17000	839	21250	107	72250	14	85000

There are 1 unit of square 4 sharing with squares 5 + 17 + 20 in book 1.

SQUARE 4			SQUARE 5		SQUARE 19		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4370	1086	17480	863	21850	51	83030	20	87400

There are 1 unit of square 4 sharing with squares 5 + 19 + 20 in book 1.

SQUARE 4			SQUARE 7		SQUARE 11		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2002	494	8008	263	14014	123	22022	71	26026

There are 1 unit of square 4 sharing with squares 7 + 11 + 13 in book 1.

Did you know that your skin is actually the most thick on the soles of the feet and palms of the hands.

Did you know that the length of any man's intestine is 28 to 30 feet.

Did you know that dyslexia is a difficulty in reading or learning to read and spell.

SQ	VALUE	LEVEL	SUM
4	2618	648	10472
7	2618	351	18326
11	2618	179	28798
17	2618	11	44506

There are 1 unit of square 4 sharing with squares 7 + 11 + 17 in book 1.

SQ	VALUE	LEVEL	SUM
4	3094	767	12376
7	3094	419	21658
13	3094	155	40222
17	3094	39	52598

There are 1 unit of square 4 sharing with squares 7 + 13 + 17 in book 1.

SQ	VALUE	LEVEL	SUM
4	3458	858	13832
7	3458	471	24206
13	3458	183	44954
19	3458	3	65702

There are 1 unit of square 4 sharing with squares 7 + 13 + 19 in book 1.

SQ	VALUE	LEVEL	SUM
4	4522	1124	18088
7	4522	623	31654
17	4522	123	76874
19	4522	59	85918

There are 1 unit of square 4 sharing with squares 7 + 17 + 19 in book 1.

SQ	VALUE	LEVEL	SUM
5	1540	297	7700
7	1540	197	10780
8	1540	162	12320
11	1540	81	16940

There are 1 unit of square 5 sharing with squares 7 + 8 + 11 in book 1.

SQ	VALUE	LEVEL	SUM
5	1820	353	9100
7	1820	237	12740
8	1820	197	14560
13	1820	57	23660

There are 1 unit of square 5 sharing with squares 7 + 8 + 13 in book 1.

Did you know that an osteopath heals by manipulation of bones and other parts of the body.

SPACE SHARING BY THE SQUARES.

SQUARE 5			SQUARE 7		SQUARE 10		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1435	276	7175	182	10045	95	14350	6	20090
1505	290	7525	192	10535	102	15050	11	21070
1645	318	8225	212	11515	116	16450	21	23030
1715	332	8575	222	12005	123	17150	26	24010
1855	360	9275	242	12985	137	18550	36	25970
2065	402	10325	272	14455	158	20650	51	28910
2135	416	10675	282	14945	165	21350	56	29890
2345	458	11725	312	16415	186	23450	71	32830
2485	486	12425	332	17395	200	24850	81	34790
2555	500	12775	342	17885	207	25550	86	35770
2765	542	13825	372	19355	228	27650	101	38710
2905	570	14525	392	20335	242	29050	111	40670
3115	612	15575	422	21805	263	31150	126	43610
3325	654	16625	452	23275	284	33250	141	46550
3395	668	16975	462	23765	291	33950	146	47530
3535	696	17675	482	24745	305	35350	156	49490
3605	710	18025	492	25235	312	36050	161	50470
3745	738	18725	512	26215	326	37450	171	52430
3815	752	19075	522	26705	333	38150	176	53410
3955	780	19775	542	27685	347	39550	186	55370
4025	794	20125	552	28175	354	40250	191	56350
4375	864	21875	602	30625	389	43750	216	61250
4445	878	22225	612	31115	396	44450	221	62230
4585	906	22925	632	32095	410	45850	231	64190

There are 24 units of square 5 sharing with squares 7 + 10 + 14 in book 1.

SQUARE 5			SQUARE 7		SQUARE 11		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3080	605	15400	417	21560	221	33880	66	49280

There are 1 unit of square 5 sharing with squares 7 + 11 + 16 in book 1.

SQUARE 5			SQUARE 7		SQUARE 13		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3605	717	18025	497	25235	197	46865	101	57680

There are 1 unit of square 5 sharing with squares 7 + 13 + 16 in book 1.

SQUARE 5			SQUARE 8		SQUARE 11		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2860	561	14300	327	22880	201	31460	137	37180

There are 1 unit of square 5 sharing with squares 8 + 11 + 13 in book 1.

Did you know that your body can lose one pint of sweat a day.

SQ	VALUE	LEVEL	SUM
5	3740	737	18700
8	3740	437	29920
11	3740	281	41140
17	3740	77	63580

There are 1 unit of square 5 sharing with squares 8 + 11 + 17 in book 1.

SQ	VALUE	LEVEL	SUM
5	4180	825	20900
8	4180	492	33440
11	4180	321	45980
19	4180	41	79420

There are 1 unit of square 5 sharing with squares 8 + 11 + 19 in book 1.

SQ	VALUE	LEVEL	SUM
5	4420	873	22100
8	4420	522	35360
13	4420	257	57460
17	4420	117	75140

There are 1 unit of square 5 sharing with squares 8 + 13 + 17 in book 1.

SQ	VALUE	LEVEL	SUM
5	3575	704	17875
10	3575	309	35750
11	3575	266	39325
13	3575	192	46475

There are 1 unit of square 5 sharing with squares 10 + 11 + 13 in book 1.

SQ	VALUE	LEVEL	SUM
7	4004	549	28028
8	4004	470	32032
11	4004	305	44044
13	4004	225	52052

There are 1 unit of square 7 sharing with squares 8 + 11 + 13 in book 1.

SQ	VALUE	LEVEL	SUM
3	630	207	1890
4	630	151	2520
5	630	115	3150
7	630	67	4410
9	630	31	5670

There are 1 unit of square 3 sharing with squares 4 + 5 + 7 + 9 in book 1.

SPACE SHARING BY THE SQUARES.

squares 4 + 5 + 11 + 12 in book 1.

SQ	VALUE	LEVEL	SUM
3	1050	347	3150
4	1050	256	4200
5	1050	199	5250
7	1050	127	7350
12	1050	17	12600
3	1470	487	4410
4	1470	361	5880
5	1470	283	7350
7	1470	187	10290
12	1470	52	17640

There are 2 units of square 3 sharing with squares 4 + 5 + 7 + 12 in book 1.

SQ	VALUE	LEVEL	SUM
3	1350	447	4050
4	1350	331	5400
5	1350	259	6750
9	1350	111	14850
12	1350	42	16200
3	1530	507	4590
4	1530	376	6120
5	1530	295	7650
9	1530	131	16830
12	1530	57	18360

There are 2 units of square 3 sharing with squares 4 + 5 + 9 + 12 in book 1.

SQ	VALUE	LEVEL	SUM
3	1650	547	4950
4	1650	406	6600
5	1650	319	8250
11	1650	91	18150
12	1650	67	19800

There are 1 unit of square 3 sharing with squares 4 + 5 + 11 + 12 in book 1.

SQ	VALUE	LEVEL	SUM
3	1650	547	4950
4	1650	406	6600
5	1650	319	8250
11	1650	91	18150
12	1650	67	19800

There are 1 unit of square 3 sharing with

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 12		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1770	587	5310	436	7080	343	8850	77	21240	7	26550
1830	607	5490	451	7320	355	9150	82	21960	11	27450
2010	667	6030	496	8040	391	10050	97	24120	23	30150
2130	707	6390	526	8520	415	10650	107	25560	31	31950
2190	727	6570	541	8760	427	10950	112	26280	35	32850
2370	787	7110	586	9480	463	11850	127	28440	47	35550
2490	827	7470	616	9960	487	12450	137	29880	55	37350
2670	887	8010	661	10680	523	13350	152	32040	67	40050
2850	947	8550	706	11400	559	14250	167	34200	79	42750
2910	967	8730	721	11640	571	14550	172	34920	83	43650
3030	1007	9090	751	12120	595	15150	182	36360	91	45450
3090	1027	9270	766	12360	607	15450	187	37080	95	46350
3210	1067	9630	796	12840	631	16050	197	38520	103	48150
3270	1087	9810	811	13080	643	16350	202	39240	107	49050
3390	1127	10170	841	13560	667	16950	212	40680	115	50850
3450	1147	10350	856	13800	679	17250	217	41400	119	51750
3750	1247	11250	931	15000	739	18750	242	45000	139	56250
3810	1267	11430	946	15240	751	19050	247	45720	143	57150
3930	1307	11790	976	15720	775	19650	257	47160	151	58950

There are 19 units of square 3 sharing with squares 4 + 5 + 12 + 15 in book 1.

SQUARE 3			SQUARE 4		SQUARE 7		SQUARE 9		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
882	291	2646	214	3528	103	6174	59	7938	3	10584
1134	375	3402	277	4536	139	7938	87	10206	24	13608
2142	711	6426	529	8568	283	14994	199	19278	108	25704
2394	795	7182	592	9576	319	16758	227	21546	129	28728
2646	879	7938	655	10584	355	18522	255	23814	150	31752
2898	963	8694	718	11592	391	20286	283	26082	171	34776
3402	1131	10206	844	13608	463	23814	339	30618	213	40824
3654	1215	10962	907	14616	499	25578	367	32886	234	43848
3906	1299	11718	970	15624	535	27342	395	35154	255	46872

There are 9 units of square 3 sharing with squares 4 + 7 + 9 + 12 in book 1.

SQUARE 3			SQUARE 4		SQUARE 7		SQUARE 11		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3234	1075	9702	802	12936	439	22638	235	35574	199	38808

There are 1 unit of square 3 sharing with squares 4 + 7 + 11 + 12 in book 1.

Did you know that all the erogenous zones are areas of body most sensitive to sexual stimulation, like the mouth and breasts, genitals and the inner thighs - although many people claim all of their skin is a zone.

Did you know that on average a woman's brain's lighter than a man's.

Did you know that the skin is the largest constituent of the body.

Did you know that the yawn is a reflex action by the body.

SPACE SHARING BY THE SQUARES.

SQ	VALUE	LEVEL	SUM
3	3822	1271	11466
4	3822	949	15288
7	3822	523	26754
12	3822	248	45864
13	3822	211	49686

There are 1 unit of square 3 sharing with squares 4 + 7 + 12 + 13 in book 1.

SQ	VALUE	LEVEL	SUM
3	1782	591	5346
4	1782	439	7128
9	1782	159	16038
11	1782	103	19602
12	1782	78	21384
3	2178	723	6534
4	2178	538	8712
9	2178	203	19602
11	2178	139	23958
12	2178	111	26136
3	4554	1515	13662
4	4554	1132	18216
9	4554	467	40986
11	4554	355	50094
12	4554	309	54648

There are 3 units of square 3 sharing with squares 4 + 9 + 11 + 12 in book 1.

SQ	VALUE	LEVEL	SUM
3	2106	699	6318
4	2106	520	8424
9	2106	195	18954
12	2106	105	25272
13	2106	79	27378
3	3042	1011	9126
4	3042	754	12168
9	3042	299	27378
12	3042	183	36504
13	3042	151	39546

There are 2 units of square 3 sharing with squares 4 + 9 + 12 + 13 in book 1.

Did you know that only women have menopause, which means the end of any periods, also the end of being able to give birth to a child.

SQUARE 3			SQUARE 4		SQUARE 9		SQUARE 12		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2754	915	8262	682	11016	267	24786	159	33048	19	46818

There are 1 unit of square 3 sharing with squares 4 + 9 + 12 + 17 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7		SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
525	172	1575	94	2625	71	3150	52	3675	4	5250
735	242	2205	136	3675	106	4410	82	5145	25	7350

There are 2 units of square 3 sharing with squares 5 + 6 + 7 + 10 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
495	162	1485	88	2475	66	2970	16	4455	1	4950
585	192	1755	106	2925	81	3510	26	5265	10	5850
675	222	2025	124	3375	96	4050	36	6075	19	6750
765	252	2295	142	3825	111	4590	46	6885	28	7650
855	282	2565	160	4275	126	5130	56	7695	37	8550
1035	342	3105	196	5175	156	6210	76	9315	55	10350
1125	372	3375	214	5625	171	6750	86	10125	64	11250
1215	402	3645	232	6075	186	7290	96	10935	73	12150
1305	432	3915	250	6525	201	7830	106	11745	82	13050
1395	462	4185	268	6975	216	8370	116	12555	91	13950
1665	552	4995	322	8325	261	9990	146	14985	118	16650

There are 11 units of square 3 sharing with squares 5 + 6 + 9 + 10 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
825	272	2475	154	4125	121	4950	34	8250	16	9075

There are 1 unit of square 3 sharing with squares 5 + 6 + 10 + 11 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1695	562	5085	328	8475	266	10170	121	16950	2	25425
1725	572	5175	334	8625	271	10350	124	17250	4	25875
1875	622	5625	364	9375	296	11250	139	18750	14	28125
1905	632	5715	370	9525	301	11430	142	19050	16	28575
1965	652	5895	382	9825	311	11790	148	19650	20	29475
2055	682	6165	400	10275	326	12330	157	20550	26	30825
2085	692	6255	406	10425	331	12510	160	20850	28	31275
2175	722	6525	424	10875	346	13050	169	21750	34	32625
2235	742	6705	436	11175	356	13410	175	22350	38	33525
2265	752	6795	442	11325	361	13590	178	22650	40	33975
2325	772	6975	454	11625	371	13950	184	23250	44	34875
2355	782	7065	460	11775	376	14130	187	23550	46	35325

SPACE SHARING BY THE SQUARES...CONTINUE.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2445	812	7335	478	12225	391	14670	196	24450	52	36675
2505	832	7515	490	12525	401	15030	202	25050	56	37575
2595	862	7785	508	12975	416	15570	211	25950	62	38925
2685	892	8055	526	13425	431	16110	220	26850	68	40275
2715	902	8145	532	13575	436	16290	223	27150	70	40725
2775	922	8325	544	13875	446	16650	229	27750	74	41625
2865	952	8595	562	14325	461	17190	238	28650	80	42975
2895	962	8685	568	14475	466	17370	241	28950	82	43425
2955	982	8865	580	14775	476	17730	247	29550	86	44325
2985	992	8955	586	14925	481	17910	250	29850	88	44775
3075	1022	9225	604	15375	496	18450	259	30750	94	46125
3165	1052	9495	622	15825	511	18990	268	31650	100	47475
3225	1072	9675	634	16125	521	19350	274	32250	104	48375
3345	1112	10035	658	16725	541	20070	286	33450	112	50175
3405	1132	10215	670	17025	551	20430	292	34050	116	51075
3435	1142	10305	676	17175	556	20610	295	34350	118	51525
3495	1162	10485	688	17475	566	20970	301	34950	122	52425
3525	1172	10575	694	17625	571	21150	304	35250	124	52875
3585	1192	10755	706	17925	581	21510	310	35850	128	53775
3615	1202	10845	712	18075	586	21690	313	36150	130	54225
3765	1252	11295	742	18825	611	22590	328	37650	140	56475
3855	1282	11565	760	19275	626	23130	337	38550	146	57825
3945	1312	11835	778	19725	641	23670	346	39450	152	59175
3975	1322	11925	784	19875	646	23850	349	39750	154	59625
4035	1342	12105	796	20175	656	24210	355	40350	158	60525
4065	1352	12195	802	20325	661	24390	358	40650	160	60975
4155	1382	12465	820	20775	676	24930	367	41550	166	62325
4215	1402	12645	832	21075	686	25290	373	42150	170	63225
4245	1412	12735	838	21225	691	25470	376	42450	172	63675
4395	1462	13185	868	21975	716	26370	391	43950	182	65925
4425	1472	13275	874	22125	721	26550	394	44250	184	66375
4575	1522	13725	904	22875	746	27450	409	45750	194	68625
4605	1532	13815	910	23025	751	27630	412	46050	196	69075

There are 45 units of square 3 sharing with squares 5 + 6 + 10 + 15 in book 1.

SQUARE 3			SQUARE 5		SQUARE 7		SQUARE 8		SQUARE 9	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1260	417	3780	241	6300	157	8820	127	10080	101	11340

There are 1 unit of square 3 sharing with squares 5 + 7 + 8 + 9 in book 1.

SQUARE 3			SQUARE 5		SQUARE 7		SQUARE 8		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2100	697	6300	409	10500	277	14700	232	16800	29	31500
2940	977	8820	577	14700	397	20580	337	23520	85	44100

There are 2 units of square 3 sharing with squares 5 + 7 + 8 + 15 in book 1.

Did you know that haemoglobin found in the blood is used to transport all the oxygen from the lungs round all parts of the body.

SQ	VALUE	LEVEL	SUM
3	4200	1397	12600
5	4200	829	21000
7	4200	577	29400
15	4200	169	63000
16	4200	136	67200

There are 1 unit of square 3 sharing with squares 5 + 7 + 15 + 16 in book 1.

SQ	VALUE	LEVEL	SUM
3	2700	897	8100
5	2700	529	13500
8	2700	307	21600
9	2700	261	24300
15	2700	69	40500

SQ	VALUE	LEVEL	SUM
3	4140	1377	12420
5	4140	817	20700
8	4140	487	33120
9	4140	421	37260
15	4140	165	62100

SQ	VALUE	LEVEL	SUM
3	4500	1497	13500
5	4500	889	22500
8	4500	532	36000
9	4500	461	40500
15	4500	189	67500

There are 3 units of square 3 sharing with squares 5 + 8 + 9 + 15 in book 1.

SQ	VALUE	LEVEL	SUM
3	3300	1097	9900
5	3300	649	16500
8	3300	382	26400
11	3300	241	36300
15	3300	109	49500

There are 1 unit of square 3 sharing with squares 5 + 8 + 11 + 15 in book 1.

SQ	VALUE	LEVEL	SUM
3	3900	1297	11700
5	3900	769	19500
8	3900	457	31200
13	3900	217	50700
15	3900	149	58500

There are 1 unit of square 3 sharing with squares 5 + 8 + 13 + 15 in book 1.

Did you know that melanin protects skin from the sun's UV rays.

SPACE SHARING BY THE SQUARES.

SQ	VALUE	LEVEL	SUM
3	3240	1077	9720
5	3240	637	16200
9	3240	321	29160
15	3240	105	48600
16	3240	76	51840

There are 1 unit of square 3 sharing with squares 5 + 9 + 15 + 16 in square 1.

SQ	VALUE	LEVEL	SUM
3	693	228	2079
6	693	99	4158
7	693	76	4851
9	693	38	6237
11	693	4	7623

There are 1 unit of square 3 sharing with squares 6 + 7 + 9 + 11 in book 1.

SQ	VALUE	LEVEL	SUM
3	1617	536	4851
6	1617	253	9702
7	1617	208	11319
11	1617	88	17787
14	1617	19	22638
3	2541	844	7623
6	2541	407	15246
7	2541	340	17787
11	2541	172	27951
14	2541	85	35574

There are 2 units of square 3 sharing with squares 6 + 7 + 11 + 14 in book 1.

SQ	VALUE	LEVEL	SUM
3	2499	830	7497
6	2499	400	14994
7	2499	334	17493
14	2499	82	34986
17	2499	4	42483

There are 1 unit of square 3 sharing with squares 6 + 7 + 14 + 17 in book 1.

The next 2 tables are in the next column as there would not fit in here.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1449	480	4347	225	8694	184	10143	122	13041	7	20286
1701	564	5103	267	10206	220	11907	150	15309	25	23814
1827	606	5481	288	10962	238	12789	164	16443	34	25578
1953	648	5859	309	11718	256	13671	178	17577	43	27342
2331	774	6993	372	13986	310	16317	220	20979	70	32634
2583	858	7749	414	15498	346	18081	248	23247	88	36162
2709	900	8127	435	16254	364	18963	262	24381	97	37926

There are 7 units of square 3 sharing with squares 6 + 7 + 9 + 14 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 13		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1911	634	5733	302	11466	250	13377	64	24843	40	26754
3549	1180	10647	575	21294	484	24843	190	46137	157	49686

There are 2 units of square 3 sharing with squares 6 + 7 + 13 + 14 in book 1.

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 11		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1287	426	3861	198	7722	104	11583	58	14157	16	16731

There are 1 unit of square 3 sharing with squares 6 + 9 + 11 + 13 in book 1.

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 11		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3069	1020	9207	495	18414	302	27621	220	33759	10	55242
3267	1086	9801	528	19602	324	29403	238	35937	21	58806
3663	1218	10989	594	21978	368	32967	274	40293	43	65934
4059	1350	12177	660	24354	412	36531	310	44649	65	73062
4257	1416	12771	693	25542	434	38313	328	46827	76	76626

There are 5 units of square 3 sharing with squares 6 + 9 + 11 + 18 in book 1.

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 13		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3159	1059	9477	510	18954	312	28431	160	41067	15	56862
3393	1128	10179	549	20358	338	30537	178	44109	28	61074
3627	1206	10881	588	21762	364	32643	196	47151	41	65286
4329	1440	12987	705	25974	442	38961	250	56277	80	77922
4563	1518	13689	744	27378	468	41067	268	59319	93	82134

There are 5 units of square 3 sharing with squares 6 + 9 + 13 + 18 in book 1.

Did you know that an adult should have a full set of 32 teeth..unfortunate I have none. Thats life.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 17		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2907	966	8721	468	17442	284	26163	28	49419	1	52326
3519	1170	10557	570	21114	352	31671	64	59823	35	63342
4131	1374	12393	672	24786	420	37179	100	70227	69	74358
4437	1476	13311	723	26622	454	39933	118	75429	86	79866

There are 4 units of square 3 sharing with squares 6 + 9 + 17 + 18 in book 1.

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 18		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3933	1308	11799	639	23598	398	35397	58	70794	28	74727
4617	1536	13851	753	27702	474	41553	96	83106	64	87723

There are 2 units of square 3 sharing with squares 6 + 9 + 18 + 19 in book 1.

SQUARE 3			SQUARE 7		SQUARE 8		SQUARE 9		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2772	921	8316	373	19404	316	22176	269	24948	193	30492

There are 1 unit of square 3 sharing with squares 7 + 8 + 9 + 11 in book 1.

SQUARE 3			SQUARE 7		SQUARE 8		SQUARE 9		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3276	1089	9828	445	22932	379	26208	325	29484	169	42588

There are 1 unit of square 3 sharing with squares 7 + 8 + 9 + 13 in book 1.

SQUARE 3			SQUARE 7		SQUARE 8		SQUARE 9		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4284	1425	12852	589	29988	505	34272	437	38556	109	72828

There are 1 unit of square 3 sharing with squares 7 + 8 + 9 + 17 in book 1.

SQUARE 4			SQUARE 5		SQUARE 7		SQUARE 13		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4550	1131	18200	899	22750	627	31850	267	59150	29	91000

There are 1 unit of square 4 sharing with squares 5 + 7 + 13 + 20 in book 1.

Did you know that each human lung has an overall surface area of one full sized tennis court, they are large sponge like organs.

Did you know that its the man's chromosomes which determine the sex of a child, this is done at the moment of conception.

SQ	VALUE	LEVEL	SUM
5	1925	374	9625
7	1925	252	13475
10	1925	144	19250
11	1925	116	21175
14	1925	41	26950
5	2695	528	13475
7	2695	362	18865
10	2695	221	26950
11	2695	186	29645
14	2695	96	37730
5	4235	836	21175
7	4235	582	29645
10	4235	375	42350
11	4235	326	46585
14	4235	206	59290

There are 3 units of square 5 sharing with squares 7 + 10 + 11 + 14 in book 1.

SQ	VALUE	LEVEL	SUM
5	2275	444	11375
7	2275	302	15925
10	2275	179	22750
13	2275	92	29575
14	2275	66	31850
5	3185	626	15925
7	3185	432	22295
10	3185	270	31850
13	3185	162	41405
14	3185	131	44590

There are 2 units of square 5 sharing with squares 7 + 10 + 13 + 14 in book 1.

SQ	VALUE	LEVEL	SUM
5	2975	584	14875
7	2975	402	20825
10	2975	249	29750
14	2975	116	41650
17	2975	32	50575
5	4165	822	20825
7	4165	572	29155
10	4165	368	41650
14	4165	201	58310
17	4165	102	70805

There are 2 units of square 5 sharing with squares 7 + 10 + 14 + 17 in book 1.

Did you know that a dermatologist treats skin complaints and diseases.

Before continuing with these tables, I will give you an insight upon the things which I have to make a choice of which method will suite my application best, taking into account the cost for each option.

The IC555 is no doubt the most well known timer on the market. Every so often a device appears that is so useful that one wonders how life went on before without it. The 555 timer is such a device.

It was first introduced by Signetics, but is now manufactured by almost every semiconductor manufacturer. It is cheap and most versatile of many products.

The 555 can be made to operate as a monostable or as an oscillator (multivibrator) with times from micro seconds to several hours.

It can operate on power supplies from 5V to 18V and can thus be used with TTL, model railways or motor car circuits with ease.

Finally, and not least, the device can source or sink up to 200mA (0.2A) allowing it to drive relays, lamps and other large loads directly.

The 555 itself takes about 10mA from the supply when the output is high (timed period) and 1mA in the reset state (output low). To this must be added the load current.

Monostable multivibrators play an important role in instrumentation, communication and signal processing.

The principle of operation of the 555 timer based monostable multivibrator circuit, shown in figure 1, is discussed in this idea. The width of the generated pulse is defined by the time of recharging the capacitor C, in order to change the width of the pulse one must change the value of the capacitor C and or the value of the charging resistor R. By replacing the capacitor C by a capacitor array and or the resistor R by a resistor array it is possible to obtain digitally programmable monostable multivibrator by using electronic switches controlled by logic signals. This method, however, requires a large number of resistors and or capacitors in addition to a large number of electronic switches.

The purpose of this idea is, therefore, to describe an alternative method for realising a digitally programmable monostable multivibrator.

The proposed circuit avoids the use of resistor and capacitor arrays as well as electronic switches.

Consider the circuit shown in figure 1.

It is well known that the period of the generated pulse is given by :

$$T = 1.1 RC \quad (1)$$

Here we propose to replace the resistor by the tunable floating resistor shown in figure 2.

Assuming that the operational transconductance amplifiers (OTAs) are ideal, it is easy to show that the circuit is equivalent to a floating resistance

$$R = 1/G_m \quad (2)$$

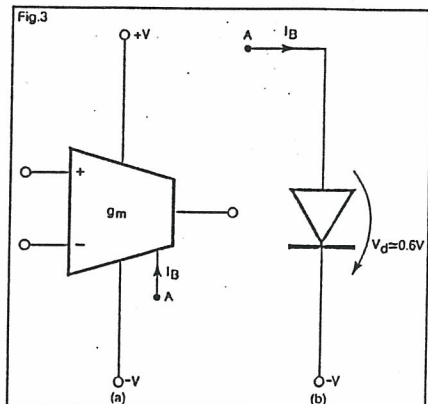
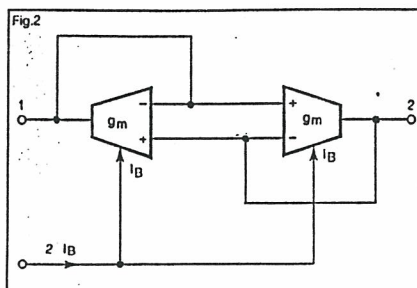
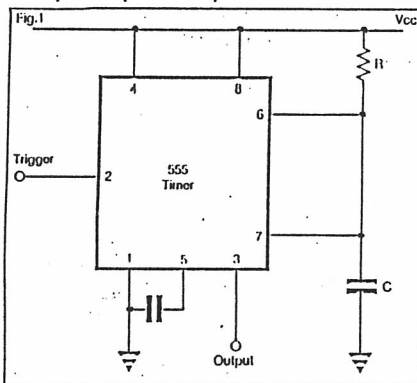
between the terminals 1 and 2, where G_m is the transconductance of the OTAs and is given by :

$$G_m = 1_B / 2V_T \quad (3)$$

Where 1_B is the bias current of the OTA and V_T is the Voltage equivalent of temperature $25mV$ at $300^\circ K$.

A macromodel of the bias current input port of a typical OTA is shown in figure 3a. Therefore a possible methode for obtaining voltage control of 1_B is shown in figure 3b, where :

$$1_B = \frac{V_c + V - V_d}{R_B} \quad (4)$$



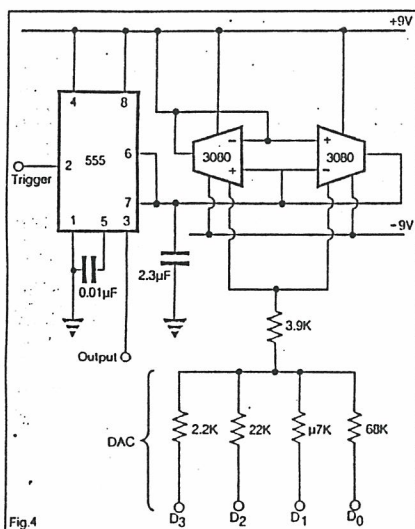


Fig.4

Digital		Input		Pulse width ms
D ₃	D ₂	D ₁	D ₀	
0	1	1	0	2.50
0	1	1	1	1.65
1	1	1	0	1.55
1	0	0	1	1.50
1	0	1	0	1.49
1	0	1	1	1.48
1	1	0	0	1.45
1	1	0	1	1.43
1	1	1	0	1.41
1	1	1	1	1.40

Combining equations 1 - 4 the width of the pulse can be expressed by :

$$T = 2.2 \frac{V_T}{V_c + V - V_d} \cdot R_B C \quad (5)$$

It is obvious from equation 5 that the pulse width can be adjusted by the control voltage V_c .

By obtaining this voltage from the output of a digital-to-analogue converter (DAC), the realisation of a digitally programmable monostable multivibrator is feasible.

Just because you cannot buy one in the shop does not mean that it is not possible to do.

Figure 4 shows a complete circuit for the proposed digitally programmable monostable multivibrator. The circuit has been experimentally tested using the OTA CA3080 and a passive DAC.

The digital input levels are 0V for logic 0 and 5V for logic 1.

For a digital input ranging from 0110 to 1111 the width of the pulse varied as shown in table 1.

In this idea a new digitally programmable monostable multivibrator using the cheap 555 timer has been presented. The main features of the circuit are :

a...The width of the pulse can be controlled using logic signals without recourse to capacitor or resistor arrays as well as electronic switches.

b...Feasibility of interfacing with mini/microcomputer or microprocessor-based systems.

It should be noted here that the operational transconductance amplifiers with same G_m are required.

This is practically possible using dual OTAs on a chip like CA3280 or LM13600. Moreover, since V_T is involved in the expression of pulse width, temperature compensation is recommended particularly if the circuit is to be used under varying environmental conditions.

This is just one little thing that I have to toy with in solving many different problems before me, both in STARSHIP EZEKIEL PHASE 2 and PHASE 3 PROJECT. Things which you have never given thought to, but just take for granted that there is nothing much in that to have to know.

Inventor must first defined his/her project into building blocks which are obtainable.

The inventor must look at all pathways/options open to them, from the building blocks available.

They must shop around for the best price available.

If some building has to be made by a manufacturer, than you are in trouble, not many manufacturers today will make one off, more so if special tooling has to be made to do it. So one has to search far and wide in the effort to find some manufacture who has the tools that will be needed to produce your part. That's not all, many manufacturers give long waiting times for one off products.

Within these books you will read about ideas and what has been tested and the results obtained. From these FACTS I hope it will help you to make things for your own family benefits. These books do not give you the rights to make and sell to others for personal gains.

These books will explain the things which I am doing or using in a project, purely as a matter of interest to you. To show what can be done if people make the effort. To prove that I can do it, or I have done it. To examine what's been done and tested in the effort to prove that what I state is possible or is TRUE.

Did you know that the white marks on nails are caused by damage to the matrix or base of the nail usually through a knock or bump or by too ruthless probing at the cuticle.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 9		SQUARE 11		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
990	327	2970	241	3960	187	4950	71	8910	31	10890	12	11880
There are 1 unit of square 3 sharing with squares 4 + 5 + 9 + 11 + 12 in book 1.												

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 9		SQUARE 12		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1170	387	3510	286	4680	223	5850	91	10530	27	14040	7	15210
There are 1 unit of square 3 sharing with squares 4 + 5 + 9 + 12 + 13 in book 1.												

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 9		SQUARE 12		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1710	567	5130	421	6840	331	8550	151	15390	72	20520	3	25650
2070	687	6210	511	8280	403	10350	191	18630	102	24840	27	31050
2250	747	6750	556	9000	439	11250	211	20250	117	27000	39	33750
2430	807	7290	601	9720	475	12150	231	21870	132	29160	51	36450
2610	867	7830	646	10440	511	13050	251	23490	147	31320	63	39150
2790	927	8370	691	11160	547	13950	271	25110	162	33480	75	41850
3330	1107	9990	826	13320	655	16650	331	29970	207	39960	111	49950
3690	1227	11070	916	14760	727	18450	371	33210	237	44280	135	55350
3870	1287	11610	961	15480	763	19350	391	34830	252	46440	147	58050
There are 9 units of square 3 sharing with squares 4 + 5 + 9 + 12 + 15 in book 1.												

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 11		SQUARE 12		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3630	1207	10890	901	14520	715	18150	271	39930	232	43560	131	54450
There are 1 unit of square 3 sharing with squares 4 + 5 + 11 + 12 + 15 in book 1.												

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 12		SQUARE 13		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1950	647	5850	481	7800	379	9750	92	23400	67	25350	19	29250
There are 1 unit of square 3 sharing with squares 4 + 5 + 12 + 13 + 15 in book 1.												

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 12		SQUARE 15		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2550	847	7650	631	10200	499	12750	142	30600	59	38250	7	43350
There are 1 unit of square 3 sharing with squares 4 + 5 + 12 + 15 + 17 in book 1.												

Did you know that antibodies are substances which neutralise toxins found in the body.

Did you know that testosterone is a male sex hormone but females produce a little of it.

Did you know that cellulite is dimply deposits of fat which lead to a build up of the fat storing cells.

Did you know that blushes can be caused when there is a relaxation of surface blood vessels and then extra blood reaches the surface of the skin.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 12		SQUARE 15		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4110	1367	12330	1021	16440	811	20550	272	49320	163	61650	7	82200
4170	1387	12510	1036	16680	823	20850	277	50040	167	62550	10	83400
4350	1447	13050	1081	17400	859	21750	292	52200	179	65250	19	87000
4470	1487	13410	1111	17880	883	22350	302	53640	187	67050	25	89400
4530	1507	13590	1126	18120	895	22650	307	54360	191	67950	28	90600

There are 5 units of square 3 sharing with squares 4 + 5 + 12 + 15 + 20 in book 1.

SQUARE 3			SQUARE 4		SQUARE 7		SQUARE 9		SQUARE 11		SQUARE 12	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1386	459	4158	340	5544	175	9702	115	12474	67	15246	45	16632
4158	1383	12474	1033	16632	571	29106	423	37422	319	45738	276	49896

There are 2 units of square 3 sharing with squares 4 + 7 + 9 + 11 + 12 in book 1.

SQUARE 3			SQUARE 4		SQUARE 7		SQUARE 9		SQUARE 12		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1638	543	4914	403	6552	211	11466	143	14742	66	19656	43	21294

There are 1 unit of square 3 sharing with squares 4 + 7 + 9 + 12 + 13 in book 1.

SQUARE 3			SQUARE 4		SQUARE 9		SQUARE 11		SQUARE 12		SQUARE 13	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2574	855	7722	637	10296	247	23166	175	28314	144	30888	115	33462

There are 1 unit of square 3 sharing with squares 4 + 9 + 11 + 12 + 13 in book 1.

SQUARE 3			SQUARE 4		SQUARE 9		SQUARE 11		SQUARE 12		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3366	1119	10098	835	13464	335	30294	247	37026	210	40392	55	57222

There are 1 unit of square 3 sharing with squares 4 + 9 + 11 + 12 + 17 in book 1.

SQUARE 3			SQUARE 4		SQUARE 9		SQUARE 11		SQUARE 12		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3762	1251	11286	934	15048	379	33858	283	41382	243	45144	19	71478

There are 1 unit of square 3 sharing with squares 4 + 9 + 11 + 12 + 19 in book 1.

SQUARE 3			SQUARE 4		SQUARE 9		SQUARE 12		SQUARE 13		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3978	1323	11934	988	15912	403	35802	261	47736	223	51714	91	67626

There are 1 unit of square 3 sharing with squares 4 + 9 + 12 + 13 + 17 in book 1.

Did you know that grown hair is dead tissue. Did you know that the femur is the thigh bone in the body. Did you know that an average of 75 hairs are lost by us each day..as I type this book I am removing hairs which falls on it,by the looks I am doubling that number.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 9		SQUARE 12		SQUARE 13		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4446	1479	13338	1105	17784	455	40014	300	53352	259	57798	55	84474

There are 1 unit of square 3 sharing with squares 4 + 9 + 12 + 13 + 19 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 10	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
945	312	2835	178	4725	141	5670	112	6615	66	8505	46	9450

There are 1 unit of square 3 sharing with squares 5 + 6 + 7 + 9 + 10 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7		SQUARE 10		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1155	382	3465	220	5775	176	6930	142	8085	67	11550	46	12705

There are 1 unit of square 3 sharing with squares 5 + 6 + 7 + 10 + 11 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1845	612	5535	358	9225	291	11070	166	16605	136	18450	12	27675
1935	642	5805	376	9675	306	11610	176	17415	145	19350	18	29025
2025	672	6075	394	10125	321	12150	186	18225	154	20250	24	30375
2115	702	6345	412	10575	336	12690	196	19035	163	21150	30	31725
2295	762	6885	448	11475	366	13770	216	20655	181	22950	42	34425
2385	792	7155	466	11925	381	14310	226	21465	190	23850	48	35775
2565	852	7695	502	12825	411	15390	246	23085	208	25650	60	38475
2655	882	7965	520	13275	426	15930	256	23895	217	26550	66	39825
2745	912	8235	538	13725	441	16470	266	24705	226	27450	72	41175

There are 9 units of square 3 sharing with squares 5 + 6 + 9 + 10 + 15 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7		SQUARE 10		SQUARE 11	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1155	382	3465	220	5775	176	6930	142	8085	67	11550	46	12705

There are 1 unit of square 3 sharing with squares 5 + 6 + 7 + 10 + 11 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 11		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1815	602	5445	352	9075	286	10890	133	18150	106	19965	10	27225
3135	1042	9405	616	15675	506	18810	265	31350	226	34485	98	47025
3795	1262	11385	748	18975	616	22770	331	37950	286	41745	142	56925
4125	1372	12375	814	20625	671	24750	364	41250	316	45375	164	61875

There are 4 units of square 3 sharing with squares 5 + 6 + 10 + 11 + 15 in book 1.

Did you know that hormones are substances which when absorbed into the blood influence the action of tissue and organs

Did you know that in Britain if you live to be 65, you'll have spent an average of 12 years watching T.V.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 13		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2535	842	7605	496	12675	406	15210	205	25350	112	32955	58	38025
4485	1492	13455	886	22425	731	26910	400	44850	262	58305	188	67275
There are 2 units of square 3 sharing with squares 5 + 6 + 10 + 13 + 15 in book 1.												

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 15		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4335	1442	13005	856	21675	706	26010	385	43350	178	65025	112	73695
There are 1 unit of square 3 sharing with squares 5 + 6 + 10 + 15 + 17 in book 1.												

SQUARE 3			SQUARE 5		SQUARE 7		SQUARE 8		SQUARE 9		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3780	1257	11340	745	18900	517	26460	442	30240	381	34020	141	56700
There are 1 unit of square 3 sharing with squares 5 + 7 + 8 + 9 + 15 in book 1.												

SQUARE 3			SQUARE 5		SQUARE 7		SQUARE 9		SQUARE 15		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2520	837	7560	493	12600	337	17640	241	22680	57	37800	31	40320
There are 1 unit of square 3 sharing with squares 5 + 7 + 9 + 15 + 16 in book 1.												

SQUARE 3			SQUARE 5		SQUARE 8		SQUARE 9		SQUARE 11		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1980	657	5940	385	9900	217	15840	181	17820	121	21780	21	29700
There are 1 unit of square 3 sharing with squares 5 + 8 + 9 + 11 + 15 in book 1.												

SQUARE 3			SQUARE 5		SQUARE 8		SQUARE 9		SQUARE 13		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2340	777	7020	457	11700	262	18720	221	21060	97	30420	45	35100
There are 1 unit of square 3 sharing with squares 5 + 8 + 9 + 13 + 15 in book 1.												

SQUARE 3			SQUARE 5		SQUARE 8		SQUARE 9		SQUARE 15		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3060	1017	9180	601	15300	352	24480	301	27540	93	45900	37	52020
There are 1 unit of square 3 sharing with squares 5 + 8 + 9 + 15 + 17 in book 1.												

Did you know that it is deficiency in vitamin C which may lead to scurvy principally through a lack of fresh fruit and vegetables in the diet.

But the price of fruit means that many in the U.K. cannot afford *to buy* much fruit, if any, I know this is true, because I am one of them who cannot afford *to buy* fruit.

But the good lady spends on average per week £60.00 for food, that does not include drinks. That's for 2 people.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 5		SQUARE 8		SQUARE 9		SQUARE 15		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3420	1137	10260	673	17100	397	27360	341	30780	117	51300	1	64980

There are 1 unit of square 3 sharing with squares 5 + 8 + 9 + 15 + 19 in book 1.

SQUARE 3			SQUARE 5		SQUARE 9		SQUARE 11		SQUARE 15		SQUARE 16	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3960	1317	11880	781	19800	401	35640	301	43560	153	59400	121	63360

There are 1 unit of square 3 sharing with squares 5 + 9 + 11 + 15 + 16 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 11		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2079	690	6237	330	12474	274	14553	192	18711	130	22869	52	29106

There are 1 unit of square 3 sharing with squares 6 + 7 + 9 + 11 + 14 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 13		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2457	816	7371	393	14742	328	17199	234	22113	106	31941	79	34398

There are 1 unit of square 3 sharing with squares 6 + 7 + 9 + 13 + 14 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 14		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2961	984	8883	477	17766	400	20727	290	26649	115	41454	4	53298
3087	1026	9261	498	18522	418	21609	304	27783	124	43218	11	55566
3339	1110	10017	540	20034	454	23373	332	30051	142	46746	25	60102
3717	1236	11151	603	22302	508	26019	374	33453	169	52038	46	66906
3843	1278	11529	624	23058	526	26901	388	34587	178	53802	53	69174
3969	1320	11907	645	23814	544	27783	402	35721	187	55566	60	71442
4221	1404	12663	687	25326	580	29547	430	37989	205	59094	74	75978
4347	1446	13041	708	26082	598	30429	444	39123	214	60858	81	78246
4473	1488	13419	729	26838	616	31311	458	40257	223	62622	88	80514
4599	1530	13797	750	27594	634	32193	472	41391	232	64386	95	82782

There are 10 units of square 3 sharing with squares 6 + 7 + 9 + 14 + 18 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 11		SQUARE 13		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3003	998	9009	484	18018	406	21021	214	33033	148	39039	118	42042

There are 1 unit of square 3 sharing with squares 6 + 7 + 11 + 13 + 14 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 11		SQUARE 14		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3927	1306	11781	638	23562	538	27489	298	43197	184	54978	88	66759

There are 1 unit of square 3 sharing with squares 6 + 7 + 11 + 14 + 17 in book 1.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 11		SQUARE 14		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4389	1460	13167	715	26334	604	30723	340	48279	217	61446	52	83391

There are 1 unit of square 3 sharing with squares 6 + 7 + 11 + 14 + 19 in book 1.

SQUARE 3			SQUARE 6		SQUARE 9		SQUARE 11		SQUARE 13		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3861	1284	11583	627	23166	390	34749	292	42471	214	50193	54	69498

There are 1 unit of square 3 sharing with squares 6 + 9 + 11 + 13 + 18 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 7		SQUARE 9		SQUARE 12		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1890	627	5670	466	7560	367	9450	247	13230	171	17010	87	22680	15	28350
3150	1047	9450	781	12600	619	15750	427	22050	311	28350	192	37800	99	47250

There are 2 units of square 3 sharing with squares 4 + 5 + 7 + 9 + 12 + 15 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 7		SQUARE 11		SQUARE 12		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2310	767	6930	571	9240	451	11550	307	16170	151	25410	122	27720	43	34650

There are 1 unit of square 3 sharing with squares 4 + 5 + 7 + 11 + 12 + 15 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 7		SQUARE 12		SQUARE 13		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2730	907	8190	676	10920	535	13650	367	19110	157	32760	127	35490	71	40950

There are 1 unit of square 3 sharing with squares 4 + 5 + 7 + 12 + 13 + 15 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 7		SQUARE 12		SQUARE 15		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3570	1187	10710	886	14280	703	17850	487	24990	227	42840	127	53550	67	60690

There are 1 unit of square 3 sharing with squares 4 + 5 + 7 + 12 + 15 + 17 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 9		SQUARE 11		SQUARE 12		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2970	987	8910	736	11880	583	14850	291	26730	211	32670	177	35640	87	44550

There are 1 unit of square 3 sharing with squares 4 + 5 + 9 + 11 + 12 + 15 in book 1.

Did you know that in Britain one quaff around 50 bottles of wine and 207 pints of beer per head per year. But Britain is still only 20th in the league of all of the alcohol-drinking countries. One thing I wish to make clear, is some one is having extra wine and beer, as I do not drink any.

These facts are important, if only to show the amount of cash being made for something not naturally required by the body, and it harms the body system. Though watching buyers I must agree that most spend more than £7.95 per week on alcohol, some goes into the £70.00 per week. Here in this household it's about £7.95 per year unless a visitor is coming to stay a few days.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 9		SQUARE 12		SQUARE 13		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3510	1167	10530	871	14040	691	17550	351	31590	222	42120	187	45630	123	52650

There are 1 unit of square 3 sharing with squares 4 + 5 + 9 + 12 + 13 + 15 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 9		SQUARE 12		SQUARE 15		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4050	1347	12150	1006	16200	799	20250	411	36450	267	48600	159	60750	4	81000
4230	1407	12690	1051	16920	835	21150	431	38070	282	50760	171	63450	13	84600

There are 2 units of square 3 sharing with squares 4 + 5 + 9 + 12 + 15 + 20 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 10		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1575	522	4725	304	7875	246	9450	202	11025	136	14175	109	15750	16	22050

There are 1 unit of square 3 sharing with squares 5 + 6 + 7 + 9 + 10 + 14 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7		SQUARE 10		SQUARE 13		SQUARE 14	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1365	452	4095	262	6825	211	8190	172	9555	88	13650	22	17745	1	19110

There are 1 unit of square 3 sharing with squares 5 + 6 + 7 + 10 + 13 + 14 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7		SQUARE 10		SQUARE 14		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1785	592	5355	346	8925	281	10710	232	12495	130	17850	31	24990	8	26775
1995	662	5985	388	9975	316	11970	262	13965	171	19950	46	27930	22	29925
2415	802	7245	472	12075	386	14490	322	16905	193	24150	76	33810	50	36225
2625	872	7875	514	13125	421	15750	352	18375	214	26250	91	36750	64	39375
3045	1012	9135	598	15225	491	18270	412	21315	256	30450	121	42630	92	45675
3255	1082	9765	640	16275	526	19530	442	22785	277	32550	136	45570	106	48825
3675	1222	11025	724	18375	596	22050	502	25725	319	36750	166	51450	134	55125
3885	1292	11655	766	19425	631	23310	532	27195	340	38850	181	54390	148	58275
4305	1432	12915	850	21525	701	25830	592	30135	382	43050	211	60270	176	64575
4515	1502	13545	892	22575	736	27090	622	31605	403	45150	226	63210	190	67725

There are 10 units of square 3 sharing with squares 5 + 6 + 7 + 10 + 14 + 15 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10		SQUARE 11		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2475	822	7425	484	12375	396	14850	236	22275	199	24750	166	27225	54	37125

There are 1 unit of square 3 sharing with squares 5 + 6 + 9 + 10 + 11 + 15 in book 1.

Did you know that in Britain,93 million Wall's Cornettos get a licking every year,and most people can sing the tune, too ! On all ice creams, you spend lots of lolly, like £440 million.Again I am not included in this waste.Just think of it,if these buyers brought one less a week and send me that value this work would soon be completed..so simply,that its beyond the capabilities of the average mind to work out. Think.. just that 1 ice cream less a week could save your life.What a price to pay for living.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10		SQUARE 13		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
1755	582	5265	340	8775	276	10530	156	15795	127	17550	52	22815	6	26325

There are 1 unit of square 3 sharing with squares 5 + 6 + 9 + 10 + 13 + 15 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10		SQUARE 15		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3105	1032	9315	610	15525	501	18630	306	27945	262	31050	96	46575	12	55890
3195	1062	9585	628	15975	516	19170	316	28755	271	31950	102	47925	17	57510
3285	1092	9855	646	16425	531	19710	326	29565	280	32850	108	49275	22	59130
3375	1122	10125	664	16875	546	20250	336	30375	289	33750	114	50625	27	60750
3555	1182	10665	700	17775	576	21330	356	31995	307	35550	126	53325	37	63990
3645	1212	10935	718	18225	591	21870	366	32805	316	36450	132	54675	42	65610
3735	1242	11205	736	18675	606	22410	376	33615	325	37350	138	56025	47	67230
3915	1302	11745	772	19575	636	23490	396	35235	343	39150	150	58725	57	70470
4005	1332	12015	790	20025	651	24030	406	36045	352	40050	156	60075	62	72090
4185	1392	12555	826	20925	681	25110	426	37665	370	41850	168	62775	72	75330
4365	1452	13095	862	21825	711	26190	446	39285	388	43650	180	65475	82	78570
4545	1512	13635	898	22725	741	27270	466	40905	406	45450	192	68175	92	81810

There are 12 units of square 3 sharing with squares 5 + 6 + 9 + 10 + 15 + 18 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 11		SQUARE 13		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2145	712	6435	418	10725	341	12870	166	21450	136	23595	82	27885	32	32175

There are 1 unit of square 3 sharing with squares 5 + 6 + 10 + 11 + 13 + 15 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 11		SQUARE 15		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2805	932	8415	550	14025	451	16830	232	28050	196	30855	76	42075	22	47685

There are 1 unit of square 3 sharing with squares 5 + 6 + 10 + 11 + 15 + 17 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 13		SQUARE 15		SQUARE 17	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3315	1102	9945	652	16575	536	19890	283	33150	172	43095	110	49725	52	56355

There are 1 unit of square 3 sharing with squares 5 + 6 + 10 + 13 + 15 + 17 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 10		SQUARE 13		SQUARE 15		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3705	1232	11115	730	18525	601	22230	322	37050	202	48165	136	55575	16	70395

There are 1 unit of square 3 sharing with squares 5 + 6 + 10 + 13 + 15 + 19 in book 1.

If you ever meet the Queen, the question she's most likely to ask you is, "How long have been waiting ?"
But Prince Philip is likely to be more direct,going straight to, "What is your job ?"

I never worry about the law,as I see it as an occupational hazard,as rich people use it to win when they are losing,and the poor people cannot afford to use it.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 14		SQUARE 17		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3213	1068	9639	519	19278	436	22491	318	28917	133	44982	46	54621	18	57834

There are 1 unit of square 3 sharing with squares 6 + 7 + 9 + 14 + 17 + 18 in book 1.

SQUARE 3			SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 14		SQUARE 18		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3591	1194	10773	582	21546	490	25137	360	32319	160	50274	39	64638	10	68229

There are 1 unit of square 3 sharing with squares 6 + 7 + 9 + 14 + 18 + 19 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 7		SQUARE 9		SQUARE 12		SQUARE 15		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4410	1467	13230	1096	17640	871	22050	607	30870	451	39690	297	52920	183	66150	22	88200

There are 1 unit of square 3 sharing with squares 4 + 5 + 7 + 9 + 12 + 15 + 20 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 7		SQUARE 12		SQUARE 15		SQUARE 19		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3990	1327	11970	991	15960	787	19950	547	27930	262	47880	155	59850	31	75810	1	79800

There are 1 unit of square 3 sharing with squares 4 + 5 + 7 + 12 + 15 + 19 + 20 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 9		SQUARE 12		SQUARE 15		SQUARE 17		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4590	1527	13770	1141	18360	907	22950	471	41310	312	55080	195	68850	127	78030	31	91800

There are 1 unit of square 3 sharing with squares 4 + 5 + 9 + 12 + 15 + 17 + 20 in book 1.

SQUARE 3			SQUARE 4		SQUARE 5		SQUARE 11		SQUARE 12		SQUARE 13		SQUARE 15		SQUARE 20	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4290	1427	12870	1066	17160	847	21450	331	47190	287	51480	247	55770	175	64350	16	85800

There are 1 unit of square 3 sharing with squares 4 + 5 + 11 + 12 + 13 + 15 + 20 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 7		SQUARE 9		SQUARE 10		SQUARE 14		SQUARE 15	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2205	732	6615	430	11025	351	13230	292	15435	206	19845	172	22050	61	30870	36	33075
2835	942	8505	556	14175	456	17010	382	19845	276	25515	235	28350	106	39690	78	42525

There are 2 units of square 3 sharing with squares 5 + 6 + 7 + 9 + 10 + 14 + 15 in book 1.

Did you know that Raw chicken and meat harbour colonies of a vicious bug called *Clostridium perfringens* - it can survive cooking and loves nothing better than badly warmed-up food. A helping of this leads to tummy spasms, diarrhoea and, in extreme cases, gangrene.

No matter how good you design a home, if the food is not treated with loving care, it can give your tummy a nasty kick. Food coming into the home may be infected at the packing stage, or it could have been killed during a period that it is sick with a bug. There is no food better than that which you produce, as you know what it has eaten, and good care ~~when~~ killing, helps your tummy to feel good.

SPACE SHARING BY THE SQUARES.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10		SQUARE 11		SQUARE 15		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4455	1482	13365	880	22275	726	26730	456	40095	397	44550	346	49005	186	66825	87	80190

There are 1 unit of square 3 sharing with squares 5 + 6 + 9 + 10 + 11 + 15 + 18 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10		SQUARE 13		SQUARE 15		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
2925	972	8775	574	14625	471	17550	286	26325	244	29250	142	38025	84	43875	2	52650

There are 1 unit of square 3 sharing with squares 5 + 6 + 9 + 10 + 13 + 15 + 18 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10		SQUARE 15		SQUARE 17		SQUARE 18	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
3825	1272	11475	754	19125	621	22950	386	34425	334	38250	144	57375	82	65025	52	68850

There are 1 unit of square 3 sharing with squares 5 + 6 + 9 + 10 + 15 + 17 + 18 in book 1.

SQUARE 3			SQUARE 5		SQUARE 6		SQUARE 9		SQUARE 10		SQUARE 15		SQUARE 18		SQUARE 19	
VALUE	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM	LEVEL	SUM
4275	1422	12825	844	21375	696	25650	436	38475	379	42750	174	64125	77	76950	46	81225

There are 1 unit of square 3 sharing with squares 5 + 6 + 9 + 10 + 15 + 18 + 19 in book 1.

THER ARE NO UNITS OF 9 SQUARES SHARING IN BOOK 1.

SQ	VALUE	LEVEL	SUM
3	3465	1152	10395
5	3465	682	17325
6	3465	561	20790
7	3465	472	24255
9	3465	346	31185
10	3465	298	34650
11	3465	256	38115
14	3465	151	48510
15	3465	120	51975
18	3465	32	62370

There are 1 unit of square 3 sharing with squares 5 + 6 + 7 + 9 + 10 + 11 + 14 + 15 + 18 in book 1.

SQ	VALUE	LEVEL	SUM
3	4095	1362	12285
5	4095	808	20475
6	4095	666	24570
7	4095	562	28665
9	4095	416	36855
10	4095	361	40950
13	4095	232	53235
14	4095	196	57330
15	4095	162	61425
18	4095	67	73710

There are 1 unit of square 3 sharing with squares 5 + 6 + 7 + 9 + 10 + 13 + 14 + 15 + 18 in book 1.

I trust that you have found these tables interesting in themselves. You are invited to put your own ideas forward upon the squares or upon any other data included within these books. I trust that feedback will increase the range of knowledge being released in these books.

All the data released within these books are absolutely correct at the time I release it. Continue research may make it necessary to update my facts by gained knowledge. Today 200 pages of information cost about £400.

So you are getting your money's worth in these books.

WHAT YOU READ HERE ARE FACTS.

This completes the sharing of the squares in book 1.

Did you know that there is an object looking like a many-tailed tadpole is the increasingly common *Campylobacter* - found in poultry and inadequately cooked meats like rare roast beef, it grows better in the fridge than out of it ! Known of for a decade, it claims thousands of victims a year.

Did you know that a new and even more deadly strain of *Salmonella* is thriving among the 30 million eggs that we eat every year. Raw eggs products are risky, but the bug thrives in soft-boiled and lightly fried ones, too. It killed 11 people in 1 U.S. outbreak. It could happen anywhere.

What has created these new powerful versions of death ? Is nature fighting back at the over populated to reduce it to a more suitable size.?

In dream 1, there are 8 squares sharing..lets assume that we can only use options from a value which has 8 units sharing it.

Let us take a value which is the 8th time which 8 squares have shared the same value.

That space frame value = 4410. The domains are :-

DOMAIN.	SPACE FRAME.	TIME FRAME.	GROUP.	OPTIONS.
3	4410	1467	1	8
4	4410	1096	2	10
5	4410	871	1	12
7	4410	607	1	16
9	4410	451	1	20
12	4410	297	2	26
15	4410	183	1	32
20	4410	22	2	42

1466	1469	1472	= 4407
1467	1470	1473	= 4410
1468	1471	1474	= 4413
4410			= 4410
4401	4410	4419	

UNIFORM IN = RANDOM OUT.

1473	1466	1471	= 4410
1468	1470	1472	= 4410
1469	1474	1467	= 4410
4410			= 4410
4410	4410	4410	

RANDOM IN UNIFORM OUT.

It cannot form building blocks as required by advanced structures..but forms objects like trees etc. Their strength is limited.

In the uniform state the diagonal forces are x_4^2 x_4^2 , There is only a unit of 2 operating in one direction of left to right.

x_4^2 x_4^2

In the random state the diagonals force are $\frac{3}{2}x_6^1$ x_6^1 , There is a switching action but only in a rotational mode only, it does not oscillate. (The force = 2 in the rotation field.)

Trees and plant life form, from this action.

x_6^1 $\frac{3}{2}x_6^1$

So we cannot use that in our work. We only consider group 1s, if plant or tree life has to exist within the S.E.G. environment.

1095	1099	1103	1107	= 4404
1096	1100	1104	1108	= 4408
1097	1101	1105	1109	= 4412
1098	1102	1106	1110	= 4416
4410				= 4410
4386	4402	4418	4434	

UNIFORM IN, RANDOM OUT.

1100	1106	1097	1107	= 4410
1109	1095	1104	1102	= 4410
1103	1101	1110	1096	= 4410
1098	1108	1099	1105	= 4410
4410				= 4410
4410	4410	4410	4410	

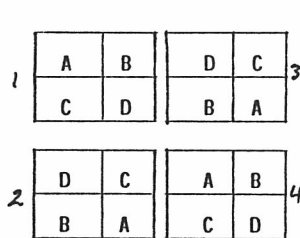
RANDOM IN, UNIFORM OUT.

There are always in the squares 3 sets of fields :

- 1....Verticle
- 2....Horizontal
- 3....Diagonal

For motion to take place there must be a difference of potential between the left and the right, and again between the horizontal top and bottom. The greater differences must always be in the verticle plane. Both the horizontal and verticle forces must reverse at the same time.

In a group 2 every 2 lines verticle and horizontal forms a building block. Thus making a 4 square block. As they must reverse their states..means that 8 squares or 2 blocks must be used in both horizontal and verticle, thus 16 squares form a work unit of 4 building blocks. Therefore you can swap any groups of 16 squares with any other 16 square block and the value remains the same but your options have increased by adding the number of times which you change the arrangements of the square.



UNIFORM

$$x_5^3 \quad x_5^3 \quad x_5^3 = 2$$

$$x_5^3 \quad x_5^3 \quad x_5^3 = 2$$

RANDOM

$$\frac{5}{3}x \quad 2x^2 \quad x_5^3 = 2$$

$$x_5^3 \quad 2x^2 \quad \frac{5}{3}x = 2$$

In uniform state there is no isolation between the blocks the force of 2 passes through the unit in one direction a class of D.C.power,as soon as a load is applied the power collaps,until the load is removed.We can see no isolation between the blocks in the horizontal plane what about the verticle plane ?

UNIFORM

$$x_5^3 \quad x_5^3$$

RANDOM

$$8x \quad 8x$$

We see no isolation in the uniform case between the lower block and the upper block.The force is encouraged to move from left to right at a force of 2.

While in the random mode we see that there is an isolation taking place in the horizontal plane but the isolation in the verticle plane is 4 times greater.This is what the dream 1 states that the vertical plane equals a unit of 8 while the horizontal plane equals 2.

In the uniform state the centre square gives us ; In random state the centre gives us :

HORIZONTAL TOP = 2204

HORIZONTAL BOTTOM = 2206

DIFFERENCE = 2

VERTICLE LEFT = 2201

VERTICLE RIGHT = 2209

DIFFERENCE = 8

HORIZONTAL TOP = 2199

HORIZONTAL BOTTOM = 2206

DIFFERENCE = 12

VERTICLE LEFT = 2196

VERTICLE RIGHT = 2214

DIFFERENCE = 18

As you can see by changing the centre square we increased our gain by 10 units in both planes. But did this change the building block values ?

UNIFORM. HORIZONTAL PLANE.

BLOCK 1. A + B = 2194

C + D = 2196

DIFFERENCE = 2 LOW

BLOCK 2. D + C = 2198

B + A = 2200

DIFFERENCE = 2 LOW

RANDOM. HORIZONTAL PLANE.

A + B = 2206

C + D = 2204

DIFFERENCE = 2 HIGH

D + C = 2204

B + A = 2206

DIFFERENCE = 2 LOW

BLOCK 3. D + C = 2210

B + A = 2212

DIFFERENCE = 2 LOW

BLOCK 4. A + B = 2214

C + D = 2216

DIFFERENCE = 2 LOW

D + C = 2204

B + A = 2206

DIFFERENCE = 2 LOW

A + B = 2206

C + D = 2204

DIFFERENCE = 2 HIGH

VERTICLE PLANE.

BLOCK 1. A + C = 2191

B + D = 2199

DIFFERENCE = 8 LOW

BLOCK 2. D + B = 2195

C + A = 2203

DIFFERENCE = 8 LOW

BLOCK 3. D + B = 2207

C + A = 2215

DIFFERENCE = 8 LOW

BLOCK 4. A + C = 2211

B + D = 2219

DIFFERENCE = 8 LOW

VERTICLE PLANE

A + C = 2209

B + D = 2201

DIFFERENCE = 8 HIGH

D + B = 2201

C + A = 2209

DIFFERENCE = 8 LOW

D + B = 2201

C + A = 2209

DIFFERENCE = 8 LOW

A + C = 2209

B + D = 2201

DIFFERENCE = 8 HIGH

SQUARE 4 is a complete work unit made up of 4 building blocks,though both uniform and random produces the same forces,those in uniform never go high they are always low therefore uniform block will not produce energy,but absorb energy. The switching action of random unit produces energy.There are 3 kinds of forces at work,but its the diagonal forces which switches.A stationary magnetic force produces no energy,only a switching type can produce energy.

Before moving to the next domain lets look at another view of square 4 and see how it fits our needs.

Bear in mind that a group 1 mates with a group 2,followed by a group 1 with a group 3,a group 3 is a combination of group 1 and 2.

1095	1106	1102	1107	=	4410	3×5	2×2	5×3	LINE VALUE = 4410	SQUARE 1 = 4410
1109	1100	1104	1097	=	4410	$8 \times$		$8 \times$	SUM VALUE = 17640	SQUARE 2 = 13230 (SQ1 x 3)
1108	1101	1105	1096	=	4410	$8 \times$		$8 \times$	LEVEL = 1096	4 CORNERS = 4410
1098	1103	1099	1110	=	4410	5×3	2×2	3×5	GROUP = 2	SQUARE 1 = 4 SQUARES
4410				=	4410					SQUARE 2 = 12 SQUARES.
4410	4410	4410	4410							

RANDOM

As you can see from above data that it differs in its action, it is reverse to what we need.

The 10 lines (options) are correct value. But the forces acting are reversed.

centre square :

HORIZONTAL TOP = 2204	DIFFERENCE = 2	VERTICLE LEFT = 2201	DIFFERENCE = 8
HORIZONTAL BOTTOM = 2206		VERTICLE RIGHT = 2209	
BUILDING BLOCKS.			
HORIZONTAL.		VERTICLE.	
BLOCK 1. A + B = 2201		A + C = 2204	
C + D = 2209	DIFFERENCE = 8 LOW	B + D = 2206	DIFFERENCE = 2 LOW
BLOCK 2. D + C = 2209		D + B = 2206	
B + A = 2201	DIFFERENCE = 8 HIGH	C + A = 2204	DIFFERENCE = 2 HIGH
BLOCK 3. D + C = 2209		D + B = 2206	
B + A = 2201	DIFFERENCE = 8 HIGH	C + A = 2204	DIFFERENCE = 2 HIGH
BLOCK 4. A + B = 2201		A + C = 2204	
C + D = 2209	DIFFERENCE = 8 LOW	B + D = 2206	DIFFERENCE = 2 LOW

From this we see that we would have a lifting force 4 times too great and a driving force $\frac{1}{4}$ of the sample before this one. So it would travel slowly in relation to if the forces were reversed.

The above sample was given to help you to understand what we are looking for.

Now square 3 which we started with is made up of 2 squares and thus is related to square 4. Those square values are :

SQUARE 1 = 1470	SQUARE 1 = 1 SQUARE	SUM = 13230	LINE VALUE = 4410
SQUARE 2 = 11760	(SQUARE 1 x 8)	SQUARE 2 = 8 SQUARES.	4 CORNERS = 5880

870	875	880	885	890	=	4400
871	876	881	886	891	=	4405
872	877	882	887	892	=	4410
873	878	883	888	893	=	4415
874	879	884	889	894	=	4420
4410					=	4410
4360	4385	4410	4435	4460		

UNIFORM.

SQUARE 1 = 882	(SQUARE 1 x 8)
SQUARE 2 = 7056	(SQUARE 1 x 8)
SQUARE 3 = 14112	(SQUARE 1 x 16)

886	893	870	877	884	=	4410	SQUARE = 5
892	874	876	883	885	=	4410	LEVEL = 871
873	875	882	889	891	=	4410	GROUP = 1
879	881	888	890	872	=	4410	LINE VALUE = 4410
880	887	894	871	878	=	4410	SUM VALUE = 22050
4410					=	4410	OPTIONS = 12
4410	4410	4410	4410	4410			

RANDOM.

SQUARE 1 = 882	(SQUARE 1 x 8)	SQUARE 1 = 1 SQUARE
SQUARE 2 = 7056	(SQUARE 1 x 8)	SQUARE 2 = 8 SQUARES
SQUARE 3 = 14112	(SQUARE 1 x 16)	SQUARE 3 = 16 SQUARES

As 5 is an odd number it can only have a single unit to start its building. It appears like 4 corner blocks with a single cross through the middle, it is this which allows group 1s to rotate.

4 CORNERS = 3528	(SQUARE 1 x 4)	SQUARE 2.	4 CORNERS = 3528	(SQUARE 1 x 4)	SQUARE 2.
4 CORNERS = 3528	(SQUARE 1 x 4)	SQUARE 3.	4 CORNERS = 3528	(SQUARE 1 x 4)	SQUARE 3.

On the next page I will show the data of the square 5 and the forces, at the same time we can look at the same data for square 3, it will help to show how they differ in structure.

SQUARE 3 got only 9 squares to fill, while square 5 has 25 squares, that's 16 more squares to solve.

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y

UNIFORM. HORIZONTAL.

A + B = 1745
F + G = 1747 DIFFERENCE = 2 LOW
B + C = 1755
G + H = 1757 DIFFERENCE = 2 LOW
C + D = 1765
H + I = 1767 DIFFERENCE = 2 LOW
D + E = 1775
I + J = 1777 DIFFERENCE = 2 LOW

VERTICLE.

A + F = 1741
B + G = 1751 DIFFERENCE = 10 LOW
B + G = 1751
C + H = 1761 DIFFERENCE = 10 LOW
C + H = 1761
D + I = 1771 DIFFERENCE = 10 LOW
D + I = 1771
E + J = 1781 DIFFERENCE = 10 LOW

Let us look at these forces quoted above

$$X_6^4 \quad X_6^4 \quad X_6^4 \quad X_6^4 = 2 \text{ Diagonal axis.}$$

We can see that there is no isolation between cells, therefore only 2 units can be produced.

F + G = 1747
K + L = 1749 DIFFERENCE = 2 LOW
G + H = 1757
L + M = 1759 DIFFERENCE = 2 LOW
H + I = 1767
M + N = 1769 DIFFERENCE = 2 LOW
I + J = 1777
N + O = 1779 DIFFERENCE = 2 LOW

F + K = 1743
G + L = 1753 DIFFERENCE = 10 LOW
G + L = 1753
H + M = 1763 DIFFERENCE = 10 LOW
H + M = 1763
I + N = 1773 DIFFERENCE = 10 LOW
I + N = 1773
J + O = 1783 DIFFERENCE = 10 LOW

Let's look at this result.

$$X_6^4 \quad X_6^4 \quad X_6^4 \quad X_6^4 = 2 \text{ DIAGONAL AXIS.}$$

Again no isolation present, so only 2 units can be produced.

K + L = 1749
P + Q = 1751 DIFFERENCE = 2 LOW
L + M = 1759
Q + R = 1761 DIFFERENCE = 2 LOW
M + N = 1769
R + S = 1771 DIFFERENCE = 2 LOW
N + O = 1779
S + T = 1781 DIFFERENCE = 2 LOW

K + P = 1745
L + Q = 1755 DIFFERENCE = 10 LOW
L + Q = 1755
M + R = 1765 DIFFERENCE = 10 LOW
M + R = 1765
N + S = 1775 DIFFERENCE = 10 LOW
N + S = 1775
O + T = 1785 DIFFERENCE = 10 LOW

Let's look at the results of above data.

$$X_6^4 \quad X_6^4 \quad X_6^4 \quad X_6^4 = 2 \text{ DIAGONAL AXIS.}$$

Again we see no isolation, thus only 2 units can be produced.

P + Q = 1751
U + V = 1753 DIFFERENCE = 2 LOW
Q + R = 1761
V + W = 1763 DIFFERENCE = 2 LOW
R + S = 1771
W + X = 1773 DIFFERENCE = 2 LOW
S + T = 1781
X + Y = 1783 DIFFERENCE = 2 LOW

P + U = 1747
Q + V = 1757 DIFFERENCE = 10 LOW
Q + V = 1757
R + W = 1767 DIFFERENCE = 10 LOW
R + W = 1767
S + X = 1777 DIFFERENCE = 10 LOW
S + X = 1777
T + Y = 1787 DIFFERENCE = 10 LOW

Lets look at this result.

$$X_6^4 \quad X_6^4 \quad X_6^4 \quad X_6^4 = 2 \text{ DIAGONAL AXIS.}$$

Again we see no isolation so only 2 units can be produced.

This completes the uniform data now what about the random data ?

RANDOM SQUARE 5.DATA

HORIZONTAL.	DIFFERENCE	DIAGONAL.	VERTICLE.	DIFFERENCE
A + B = 1779 F + G = 1766	13 HIGH	12 ¹ X	A + F = 1778 B + G = 1767	11 HIGH
B + C = 1763 G + H = 1750	13 HIGH	17 ^X 4	B + G = 1767 C + H = 1746	21 HIGH
C + D = 1747 H + I = 1759	12 LOW	X ¹ 13	C + H = 1746 D + I = 1760	14 LOW
D + E = 1761 I + J = 1768	7 LOW	X ¹ 8	D + I = 1760 E + J = 1769	9 LOW
F + G = 1766 K + L = 1748	18 HIGH	17 ¹ X	F + K = 1765 G + L = 1749	16 HIGH
G + H = 1750 L + M = 1757	7 LOW	X ¹ 8	G + L = 1749 H + M = 1758	9 LOW
H + I = 1759 M + N = 1771	12 LOW	X ¹ 13	H + M = 1758 I + N = 1772	14 LOW
I + J = 1768 N + O = 1780	12 LOW	X ¹ 8	I + N = 1772 J + O = 1776	4 LOW
K + L = 1748 P + Q = 1760	12 LOW	X ¹ 8	K + P = 1752 L + Q = 1756	4 LOW
L + M = 1757 Q + R = 1769	12 LOW	X ¹ 13	L + Q = 1756 M + R = 1770	14 LOW
M + N = 1771 R + S = 1778	7 LOW	X ¹ 8	M + R = 1770 N + S = 1779	9 LOW
N + O = 1780 S + T = 1762	18 HIGH	17 ¹ X	N + S = 1779 O + T = 1763	16 HIGH
P + Q = 1760 U + V = 1767	7 LOW	X ¹ 8	P + U = 1760 Q + V = 1768	8 LOW
Q + R = 1769 V + W = 1781	12 LOW	X ¹ 13	Q + V = 1768 R + W = 1782	14 LOW
R + S = 1778 W + X = 1749	13 HIGH	17 ^X 4	R + W = 1782 S + X = 1761	21 HIGH
S + T = 1762 X + Y = 1749	13 HIGH	12 ¹ X	S + X = 1761 T + Y = 1750	11 HIGH

As we can see that there is no isolation in the system, but by re-arranging the values into a uniform structure we do induce a bit of switching, and the output swings about as follows :

2 + 8 - 2 - 2 + , 6 + We have a state of 7 - in this block of material, thus it absorbs energy,
 2 + 2 - 2 - 8 - , 10 - therefore it cannot produce energy as electricity.
 8 - 2 - 2 - 2 + , 10 - This completes our investigation on square 5, you can check this with square
 1 - 2 - 8 + 2 + . 7 + 3, to see how it differs. Check it with the uniform version of square 5, to see
 what has changed in the process of making the square balanced.

As you may notice the rotation effects of the diagonals.

The next value to check is square 7, which has 49 squares to solve, that's 24 more squares to solve than square 5 had to solve.

The value 4410 refers to the volume space to be filled by the material in question. The level relates to the value which that square has been raised from its absolute state. In the case of square 7 its level 607 means that from absolute to 4410 there are 607 different squares 7 values.

Thus 4410 is the SPACE FRAME and square 7 is a DOMAIN to occupy that SPACE FRAME with 8 other DOMAINS, to be able to do so it must have a different TIME FRAME, which in this case is 607.

SQUARE 7. UNIFORM.

606	613	620	627	634	641	648	= 4389
607	614	621	628	635	642	649	= 4396
608	615	622	629	636	643	650	= 4403
609	616	623	630	637	644	651	= 4410
610	617	624	631	638	645	652	= 4417
611	618	625	632	639	646	653	= 4424
612	619	626	633	640	647	654	= 4431
4410							= 4410
4263	4312	4361	4410	4459	4508	4557	

SQUARE 1 = 630
 SQUARE 2 = 5040 (SQUARE 1 x 8)
 SQUARE 3 = 10080 (SQUARE 1 x 16)
 SQUARE 4 = 15120 (SQUARE 1 x 24)
 SQUARE 1 = 1 SQUARE
 SQUARE 2 = 8 SQUARES
 SQUARE 3 = 16 SQUARES
 SQUARE 4 = 24 SQUARES

SQUARE 7. RANDOM.

635	644	653	606	615	624	633	= 4410
643	652	612	614	623	632	634	= 4410
651	611	613	622	631	640	642	= 4410
610	619	621	630	639	641	650	= 4410
618	620	629	638	647	649	609	= 4410
626	628	637	646	648	608	617	= 4410
627	636	645	654	607	616	625	= 4410
4410							= 4410
4410	4410	4410	4410	4410	4410	4410	4410

SQUARE 1 = 630
 SQUARE 2 = 5040 (SQUARE 1 x 8)
 SQUARE 3 = 10080 (SQUARE 1 x 16)
 SQUARE 4 = 15120 (SQUARE 1 x 24)
 LEVEL = 607
 GROUP = 1
 LINE VALUE = 4410
 SUM VALUE = 30870

In group 1s we see that the squares come to the same value in both uniform and random states.
 I have not had time to investigate how many ways one can produce group 1s whereby they form a balanced square, to check if all the above points still hold good.

UNIFORM.		
HORIZONTAL.	DIFFERENCE.	DIAGONAL.
1 + 2 = 1219	2 LOW	\times_8^6
8 + 9 = 1221		
2 + 3 = 1233	2 LOW	\times_8^6
9 + 10 = 1235		
3 + 4 = 1247	2 LOW	\times_8^6
10 + 11 = 1249		
4 + 5 = 1261	2 LOW	\times_8^6
11 + 12 = 1263		
5 + 6 = 1275	2 LOW	\times_8^6
12 + 13 = 1277		
6 + 7 = 1289	2 LOW	\times_8^6
13 + 14 = 1291		

UNIFORM.	
VERTICAL.	DIFFERENCE
1 + 8 = 1213	14 LOW
2 + 9 = 1227	
2 + 9 = 1227	14 LOW
3 + 10 = 1241	
3 + 10 = 1241	14 LOW
4 + 11 = 1255	
4 + 11 = 1255	14 LOW
5 + 12 = 1269	
5 + 12 = 1269	14 LOW
6 + 13 = 1283	
6 + 13 = 1283	14 LOW
7 + 14 = 1297	

This completes the top 2 rows, from which we can see that the force is 2 and continuous in 1 direction.
 If we continue investigating we shall find that nothing changes. Thus there is no need to carry on with this line of investigation. One thing we can appreciate is that the diagonal forces moves up by 2 units in each step which gives 2 units out in all group 1s uniform state.

RANDOM.		
HORIZONTAL.	DIFFERENCE.	DIAGONAL.
1 + 2 = 1279	16 LOW	\times_{17}^1
8 + 9 = 1295		
2 + 3 = 1297	33 HIGH	\times_{32}^1
9 + 10 = 1264		
3 + 4 = 1259	33 HIGH	\times_{39}^1
10 + 11 = 1226		
4 + 5 = 1221	16 LOW	\times_{17}^1
11 + 12 = 1237		
5 + 6 = 1239	16 LOW	\times_{17}^1
12 + 13 = 1255		
6 + 7 = 1257	9 LOW	\times_{10}^1
13 + 14 = 1266		

RANDOM.	
VERTICLE.	DIFFERENCE.
1 + 8 = 1278	18 LOW
2 + 9 = 1296	
2 + 9 = 1296	31 HIGH
3 + 10 = 1265	
3 + 10 = 1265	45 HIGH
4 + 11 = 1220	
4 + 11 = 1220	18 LOW
5 + 12 = 1238	
5 + 12 = 1238	18 LOW
6 + 13 = 1256	
6 + 13 = 1256	11 LOW
7 + 14 = 1267	

As you can see the force present is similar to square 5 but 2 units different on both diagonals, but still giving an output of 2 units in one direction only.

To save both time and space I will not continue on that data due to its similarity to square 5.

We shall continue to the next square which is square 9.

450	459	468	477	486	495	504	513	522	= 4374
451	460	469	478	487	496	505	514	523	= 4383
452	461	470	479	488	497	506	515	524	= 4392
453	462	471	480	489	498	507	516	525	= 4401
454	463	472	481	490	499	508	517	526	= 4410
455	464	473	482	491	500	509	518	527	= 4419
456	465	474	483	492	501	510	519	528	= 4428
457	466	475	484	493	502	511	520	529	= 4437
458	467	476	485	494	503	512	521	530	= 4446
4410									= 4410
4086									
	4248								
		4410							
			4572						
				4734					
	4167	4329	4491	4653					

UNIFORM

SQUARE 1 = 1 SQUARE

SQUARE 2 = 8 SQUARES

SQUARE 3 = 16 SQUARES

SQUARE 4 = 24 SQUARES

SQUARE 5 = 32 SQUARES

TOTAL SQUARES 81 SQUARES.

SQUARE 1 = 490
 SQUARE 2 = 3920 (SQUARE 1 x 8)
 SQUARE 3 = 7840 (SQUARE 1 x 16)
 SQUARE 4 = 11760 (SQUARE 1 x 24)
 SQUARE 5 = 15680 (SQUARE 1 x 32)
 TOTAL 39690

4 CORNERS SQUARE 2 = 1960 (SQUARE 1 x 4)
 4 CORNERS SQUARE 3 = 1960 (SQUARE 1 x 4)
 4 CORNERS SQUARE 4 = 1960 (SQUARE 1 x 4)
 4 CORNERS SQUARE 5 = 1960 (SQUARE 1 x 4)

RANDOM

HORIZONTAL.	DIFFERENCE.	DIAGONAL.
496 + 507 = 1003	20 LOW	x_{21}^1
506 + 517 = 1023		
507 + 518 = 1025	20 LOW	x_{21}^1
517 + 528 = 1045		
518 + 529 = 1047	61 HIGH	$60 x^1$
528 + 458 = 986		
529 + 450 = 979	61 HIGH	$69 x^8$
458 + 460 = 918		
450 + 461 = 911	20 LOW	x_{21}^1
460 + 471 = 931		
461 + 472 = 933	20 LOW	x_{21}^1
471 + 482 = 953		
472 + 483 = 955	20 LOW	x_{21}^1
482 + 493 = 975		
483 + 494 = 977	11 LOW	x_{12}^1
493 + 495 = 988		

496	507	518	529	450	461	472	483	494	= 4410
506	517	528	458	460	471	482	493	495	= 4410
516	527	457	459	470	481	492	503	505	= 4410
526	456	467	469	480	491	502	504	515	= 4410
455	466	468	479	490	501	512	514	525	= 4410
465	476	478	489	500	511	513	524	454	= 4410
475	477	488	499	510	521	523	453	464	= 4410
485	487	498	509	520	522	452	463	474	= 4410
486	497	508	519	530	451	462	473	484	= 4410
4410									= 4410
4410									
	4410								
		4410							
			4410						
				4410					
					4410				

RANDOM

SQUARE 9

GROUP 1

LEVEL 451

LINE VALUE 4410

SUM VALUE 39690

OPTIONS 20

SQUARE 1 = 490
 SQUARE 2 = 3920 (SQUARE 1 x 8)
 SQUARE 3 = 7840 (SQUARE 1 x 16)
 SQUARE 4 = 11760 (SQUARE 1 x 24)
 SQUARE 5 = 15680 (SQUARE 1 x 32)
 TOTAL 39690

UNIFORM DATA. as the diagonal forces are always the same, therefore I will only show the one unit.

x_{10}^8 Again there are only 2 units acting in one direction only.

VERTICLE.	DIFFERENCE
496 + 506 = 1002	22 LOW
507 + 517 = 1024	
507 + 517 = 1024	22 LOW
518 + 528 = 1046	
518 + 528 = 1046	59 HIGH
529 + 458 = 987	
529 + 458 = 987	77 HIGH
450 + 460 = 910	
450 + 460 = 910	22 LOW
461 + 471 = 932	
461 + 471 = 932	22 LOW
472 + 482 = 954	
472 + 482 = 954	22 LOW
483 + 493 = 976	
483 + 493 = 976	13 LOW
494 + 495 = 989	

This completes the 2 top rows of square 9 of the random version. It shows *How* the diagonal forces are acting.

296	308	320	332	344	356	368	380	392	404	416	427	= 4344	SQUARE = 12
297	309	321	333	345	357	369	381	393	405	417	429	= 4356	GROUP = 2
298	310	322	334	346	358	370	382	394	406	418	430	= 4368	LEVEL = 297
299	311	323	335	347	359	371	383	395	407	419	431	= 4380	OPTIONS = 26
300	312	324	336	348	350	372	384	396	408	420	432	= 4392	LINE VALUE = 4344 to 5202
301	313	325	337	349	361	373	385	397	409	421	433	= 4404	SUM VALUE = 52920
302	314	326	338	350	362	374	386	398	410	422	434	= 4416	SQUARE 1 HORIZONTAL TOP = 734
303	315	327	339	351	363	375	387	399	411	423	435	= 4428	SQUARE 1 HORIZONTAL BOT = 736
304	316	328	340	352	364	376	388	400	412	424	436	= 4440	HORIZONTAL DIFFERENCE = 2 LOW
305	317	329	341	353	365	377	389	401	413	425	437	= 4452	VERTICLE LEFT = 723
306	318	330	342	354	366	378	390	402	414	426	438	= 4464	VERTICLE RIGHT = 747
307	319	331	343	355	367	379	391	403	415	427	439	= 4476	VERTICLE DIFFERENCE = 24 HIGH
3618	3906	4194	4482	4770	5058							= 4410	
3762	4050	4338	4626	4914	5202								
4410													
UNIFORM													

309	427	320	414	391	345	368	366	343	393	306	428	= 4410	SQUARE = 12
438	296	403	333	356	378	355	381	404	330	417	319	= 4410	GROUP = 2
298	436	335	401	354	380	383	353	328	406	431	305	= 4410	LEVEL = 297
425	311	412	322	369	367	364	370	395	341	316	418	= 4410	OPTIONS = 26
313	423	324	410	361	375	350	384	339	397	302	432	= 4410	LINE VALUE = 4410
434	300	399	337	386	348	373	363	408	326	421	315	= 4410	SUM VALUE = 52920
420	314	409	327	372	362	387	349	398	336	435	301	= 4410	SQUARE 1 HORIZONTAL TOP = 721
303	433	338	396	351	385	360	374	325	411	312	422	= 4410	SQUARE 1 HORIZONTAL BOTTOM = 749
317	419	394	340	365	371	346	388	413	323	424	310	= 4410	HORIZONTAL DIFFERENCE = 28
430	304	329	407	382	352	377	359	334	400	299	437	= 4410	VERTICLE LEFT = 710
416	318	405	331	376	358	357	379	402	332	439	297	= 4410	VERTICLE RIGHT = 760
307	429	342	392	347	389	390	344	321	415	308	426	= 4410	VERTICLE DIFFERENCE = 50
4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	= 4410	
4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410		
RANDOM													

UNIFORM

SQUARE 1 = 1470
 SQUARE 2 = 4410 (SQUARE 1 x 3)
 SQUARE 3 = 7350 (SQUARE 1 x 5)
 SQUARE 4 = 10290 (SQUARE 1 x 7)
 SQUARE 5 = 13230 (SQUARE 1 x 9)
 SQUARE 6 = 16170 (SQUARE 1 x 11)

SQUARE 1 = 4 SQUARES
 SQUARE 2 = 12 SQUARES
 SQUARE 3 = 20 SQUARES
 SQUARE 4 = 28 SQUARES
 SQUARE 5 = 36 SQUARES
 SQUARE 6 = 44 SQUARES

TOTAL 144 SQUARES

In random state the forces or energy switches,thus in the mechanical sense this creates a force which is pulsing,therefore it has a greater action upon the material within its field.

In the uniform state we have x_{13}^{11} this applies throughout the square a unit of 2 present,force is one way only.

In the uniform state,the horizontal offers a force of 2,while in the random state it offers a force of 28,an increase of 20 units.

In the uniform state the verticle offers a force of 24,while in the random state it offers a force of 50,thats an increase of 26 units.

On the next sheet I will try to explain what happens in this random state from the center to the rim.

The S.E.G. and the INVERSE-G-VEHICLES are based upon that condition,that 4 forces shall be present in the form of 2 pairs at right angles to each other.

UNIFORM 4 CORNERS.

SQUARE 2 = 1470
 SQUARE 3 = 1470
 SQUARE 4 = 1470
 SQUARE 5 = 1470
 SQUARE 6 = 1470

RANDOM 4 CORNERS.

SQUARE 2 = 1470
 SQUARE 3 = 1470
 SQUARE 4 = 1470
 SQUARE 5 = 1470
 SQUARE 6 = 1470

As we have proven that the squares have fingerprints which cannot be changed, it proves that my Dream 1, is 100% correct. I shall test out this square random version in more detail than so far covered.

The corners are linked by links, there are 4 links. This is a common linkage system used in engineering.

SQUARE 1. has no linkage, but exert a force $\begin{matrix} 11 \\ \times \\ 39 \end{matrix}$ in the diagonal axis and the flow is in one direction.
 This is created by the forces $\begin{matrix} + 28 \\ 50 \end{matrix}$ in the horizontal plane and the 50 in the vertical plane

SQUARE 2. This does have the 4 link system. Top link = $\frac{725}{758}$ 712 = right side
 Left side = $\frac{745}{745}$
 Bottom =

It may be hard to appreciate that this square is in balance, as my dream 1, states that there are 4 forces in pairs at right angles and this will generate 2 forces diagonally. So we add the value of horizontal forces we get 1470, then add the verticals and we get 1470, thus it is in balance.

What is happening up to this point ?

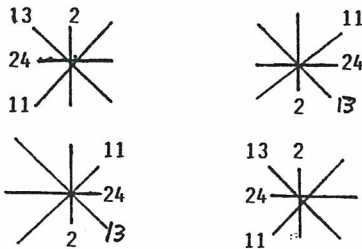
Square 1 has a reaction force of 22 units which generates a active force diagonally of 28 units, so it is generating energy and it moves along the horizontal plane into the next square.

Square 2 left top corner is creating a force $\begin{matrix} 13 \\ \times \\ 24 \end{matrix}$ we get a 2 unit increase, this is created by the forces $\begin{matrix} 24 \\ + \end{matrix}$ thus a gain of 22 units diagonally to $\begin{matrix} 11 \\ 11 \end{matrix}$ the left.

Square 2 right top corner is switching the same state $\begin{matrix} 11 \\ \times \\ 13 \end{matrix}$ we again get a force of 2 but of opposite polarisation, therefore it has a binary state of $\begin{matrix} 11 \\ 13 \end{matrix}$ high and low. This has been generated by the forces $\begin{matrix} 2 \\ +24 \end{matrix}$, another unit of 22.

Square 2 left bottom corner is in the state of $\begin{matrix} 11 \\ \times \\ 13 \end{matrix}$ we have that constant force of 2 switching, this time by the action of $\begin{matrix} 2 \\ +24 \end{matrix}$ again 22 units.

Square 2 right bottom corner is in a state of $\begin{matrix} 13 \\ \times \\ 24 \end{matrix}$ we have again our constant force of 2 created by the forces $\begin{matrix} 24 \\ + \end{matrix}$ again 22 units. We shall now try to look at the 4 corners of square 2 to understand what we have got.



These corners are linked by arms, which are 2 squares long. Thus square 2 has 8 squares devoted to 4 links of 2 squares. So let us look at the top link from left to right. We have $\begin{matrix} 2 \\ \times \\ 2 \end{matrix}$ so what is happening here is that this block or link is an isolation block to prevent the forces from jumping in the wrong direction.

Now let us see what the left hand link does ?

We get $\begin{matrix} 24 \\ \times \\ 24 \end{matrix}$ its an isolation block created by $\begin{matrix} 48 \\ 0 \end{matrix}$ it isolates in the $\begin{matrix} 24 \\ \times \\ 24 \end{matrix}$ diagonal fields and the vertical plane but allows forces in the horizontal plane.

Let us look at the right side of square 2. We have $\begin{matrix} 24 \\ \times \\ 24 \end{matrix}$ its an isolation block created by $\begin{matrix} 0 \\ 48 \end{matrix}$ so it too isolates in both the diagonal and vertical fields but allows movement through the horizontal plane. So let us see how the bottom link performs in square 2.

We get $\begin{matrix} 2 \\ \times \\ 2 \end{matrix}$ an isolation block created by $\begin{matrix} 4 \\ 0+0 \end{matrix}$, this is the same as the top link.

So what we have is a active block followed by an isolation block which only allows power to pass one way, then an active block again, the active blocks can switch high low and isolation blocks cannot. This applies to all group 2s and 3s.

SQUARE 3,
1470 1470
1470

This is a balanced square at the links, which each contains 4 squares.
This is an active square.

SQUARE 4
2276 2199 2134
2211

This is an isolation block. the top and bottom = 4410 and the left and right side = 4410 the square is balanced.
Each link contains 6 squares again the link uses only 2 units more each time.

SQUARE 5
2940 2940
2940

This is a balance square whose links are made up of 8 squares each and its an active square.

SQUARE 6
3794 3673 3556
3677

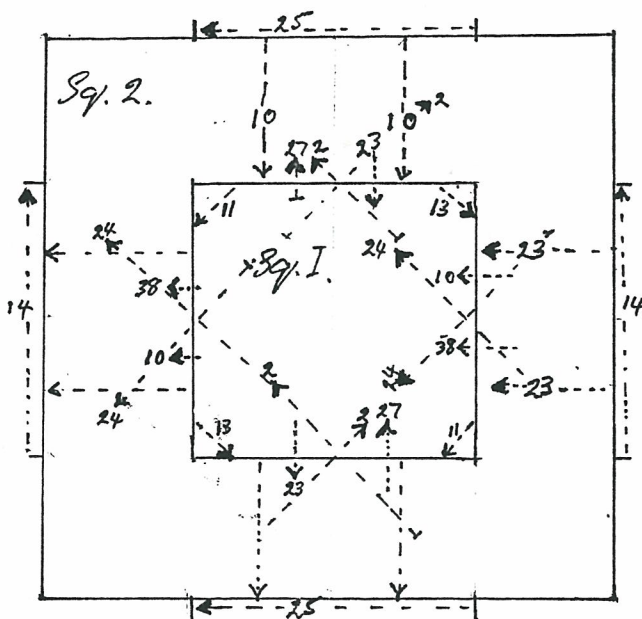
This is an isolation block, the top and bottom = 7350 and the left and right = 7350, thus this square is in balance. The next square will be your take off square, which is the coils or brush. There are 10 squares forming each link. So there are 2 states present active and isolation.

Why did I state isolation and not non active ?

The reason is that they are active in a number of ways, the more squares to the link the more forces are active. Lets sum up just square 2.

There is a down force of 20 from top to bottom, and there's a force of 142 from right to left across the whole links. Between the ends of the top left link and the left end of the top link there's a force of 33, this also applies to the bottom end of the right hand side link and the end of the bottom link right side. Thus these 2 opposite ends are equal, thus 0. While the right end of the top link there's a force of 13 between it and the top end of the right hand link, this is the same at the end of the left hand side and the left end of the bottom link. Thus these 2 opposite ends are in balance. Giving us a force of 20 acting upon those ends which equal 13 units. Let's see if we can draw what is happening.

As you will see how the forces act between square 1 and 2 and through square 2.



You may think that these devices are magnetic devices, You are right, they are not magnets, they are magnetic devices.

The diagonal forces are one direction only like this \times^{14}_{16} as you see the famous 2 units of force. This applies to uniform state only.

I have not included the 4 corners in the detailed forces, purely the links only are explained. We can see the switching effects of the forces as it passes through the material.

You can work out the rest of the squares as to how their forces are acting.

Our next square in offer is square 15.

SQUARE = 15
GROUP = 1
LEVEL = 183
OPTIONS = 32
LINE VALUE = 4410
SUM VALUE = 66150

SQUARE 1 = 1 SQUARE
SQUARE 2 = 8 SQUARES
SQUARE 3 = 16 SQUARES
SQUARE 4 = 24 SQUARES
SQUARE 5 = 32 SQUARES
SQUARE 6 = 40 SQUARES
SQUARE 7 = 48 SQUARES
SQUARE 8 = 56 SQUARES

182	197	212	227	242	257	272	287	302	317	332	347	362	377	392
183	198	213	228	243	258	273	288	303	318	333	348	363	378	393
184	199	214	229	244	259	274	289	304	319	334	349	364	379	394
185	200	215	230	245	260	275	290	305	320	335	350	365	380	395
186	201	216	231	246	261	276	291	306	321	336	351	366	381	396
187	202	217	232	247	262	277	292	307	322	337	352	367	382	397
188	203	218	233	248	263	278	293	308	323	338	353	368	383	398
189	204	219	234	249	264	279	294	309	324	339	354	369	384	399
190	205	220	235	250	265	280	295	310	325	340	355	370	385	400
191	206	221	236	251	266	281	296	311	326	341	356	371	386	401
192	207	222	237	252	267	282	297	312	327	342	357	372	387	402
193	208	223	238	253	268	283	298	313	328	343	358	373	388	403
194	209	224	239	254	269	284	299	314	329	344	359	374	389	404
195	210	225	240	255	270	285	300	315	330	345	360	375	390	405
196	211	226	241	256	271	286	301	316	331	346	361	376	391	406

4410 3060 3510 3960 4410 4860 5310 5760 5985
2835 3285 3735 4185 4635 5085 5535

= 4305 SQUARE 1 = 294
 = 4320 SQUARE 2 = 2352
 = 4335 SQUARE 3 = 4704
 = 4350 SQUARE 4 = 7056
 = 4365 SQUARE 5 = 9408
 = 4380 SQUARE 6 = 11760
 = 4395 SQUARE 7 = 14112
 = 4410 SQUARE 8 = 16464
 = 4425
 = 4440 4 CORNERS SQUARE 2 = 1176.
 = 4455 4 CORNERS SQUARE 3 = 1176
 = 4470 4 CORNERS SQUARE 4 = 1176
 = 4485 4 CORNERS SQUARE 5 = 1176
 = 4500 4 CORNERS SQUARE 6 = 1176
 = 4515 4 CORNERS SQUARE 7 = 1176
 = 4410 4 CORNERS SQUARE 8 = 1176

UNIFORM STATE.

303	320	337	354	371	388	405	182	199	216	233	250	267	284	301
319	336	353	370	387	404	196	198	215	232	249	266	283	300	302
335	352	369	386	403	195	197	214	231	248	265	282	299	316	318
351	368	385	402	194	211	213	230	247	264	281	298	315	317	334
367	384	401	193	210	212	229	246	263	280	297	314	331	333	350
383	400	192	209	226	228	245	262	279	296	313	330	332	349	366
399	191	208	225	227	244	261	278	295	312	329	346	363	380	382
190	207	224	241	243	260	277	294	311	328	345	362	379	396	189
206	223	240	242	259	276	293	310	327	344	361	363	380	397	189
222	239	256	258	275	292	309	326	343	360	362	379	396	188	205
238	255	257	274	291	308	325	342	359	376	378	395	187	204	221
254	271	273	290	307	324	341	358	375	377	394	186	203	220	237
270	272	289	306	323	340	357	374	391	393	185	202	219	236	253
286	288	305	322	339	356	373	390	392	184	201	218	235	252	269
287	304	321	338	355	372	389	406	183	200	217	234	251	268	285

4410 4410 4410 4410 4410 4410 4410 4410 4410 4410 4410 4410 4410 4410 4410

= 4410 SQUARE 1 = 294
 = 4410 SQUARE 2 = 2352
 = 4410 SQUARE 3 = 4704
 = 4410 SQUARE 4 = 7056
 = 4410 SQUARE 5 = 9408
 = 4410 SQUARE 6 = 11760
 = 4410 SQUARE 7 = 14112
 = 4410 SQUARE 8 = 16464
 = 4410 4 CORNERS TO FOLLOW.
 = 4410 SQUARE 2 = 1176
 = 4410 SQUARE 3 = 1176
 = 4410 SQUARE 4 = 1176
 = 4410 SQUARE 5 = 1176
 = 4410 SQUARE 6 = 1176
 = 4410 SQUARE 7 = 1176
 = 4410 SQUARE 8 = 1176

RANDOM STATE.

The first 2 top lines forces are :

$$\begin{array}{cccccccccccccccc}
 x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & 192x^1 & 191x_{193} & 207x_{14} & 193x_{221} \\
 x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & x_{33}^1 & 3_4^{32} & x_{18}^1 & 17x_{19}
 \end{array}$$

As you can see that no isolation blocks are present, this makes them unsuitable for energy work. If we continue the investigation right through this square we shall find very little difference in the pattern of forces.

There is now only one more square possible in this set of squares, and it is square 20. So what do we have within this set of squares ?

We have 5 set of squares of the group 1s class.

We have 3 set of squares of the group 2s class.

We have 0 set of squares of the group 3s class.

Does this mean that a volume space of 4410 grams could be used in a S.E.G. experient ?

The answer is YES.

You have a choice of a 4 mixture, a 12 mixture and a 20 mixture, all can share the same SPACE FRAME, but at a different TIME FRAME. In other words any one of these 3 squares can be used in a volume space of 4410 grams but each must be printed at a different frequency.

21	41	61	81	101	121	141	161	181	201	221	241	261	281	301	321	341	361	381	401	= 4220
22	42	62	82	102	122	142	162	182	202	222	242	262	282	302	322	342	362	382	402	= 4240
23	43	63	83	103	123	143	163	183	203	223	243	263	283	303	323	343	363	383	403	= 4260
24	44	64	84	104	124	144	164	184	204	224	244	264	284	304	324	344	364	384	404	= 4280
25	45	65	85	105	125	145	165	185	205	225	245	265	285	305	325	345	365	385	405	= 4300
26	46	66	86	106	126	146	166	186	206	226	246	266	286	306	326	346	366	386	406	= 4320
27	47	67	87	107	127	147	167	187	207	227	247	267	287	307	327	347	367	387	407	= 4340
28	48	68	88	108	128	148	168	188	208	228	248	268	288	308	328	348	368	388	408	= 4360
29	49	69	89	109	129	149	169	189	209	229	249	269	289	309	329	349	369	389	409	= 4380
30	50	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390	410	= 4400
31	51	71	91	111	131	151	171	191	211	231	251	271	291	311	331	351	371	391	411	= 4420
32	52	72	92	112	132	152	172	192	212	232	252	272	292	312	332	352	372	392	412	= 4440
33	53	73	93	113	133	153	173	193	213	233	253	273	293	313	333	353	373	393	413	= 4460
34	54	74	94	114	134	154	174	194	214	234	254	274	294	314	334	354	374	394	414	= 4480
35	55	75	95	115	135	155	175	195	215	235	255	275	295	315	335	355	375	395	415	= 4500
36	56	76	96	116	136	156	176	196	216	236	256	276	296	316	336	356	376	396	416	= 4520
37	57	77	97	117	137	157	177	197	217	237	257	277	297	317	337	357	377	397	417	= 4540
38	58	78	98	118	138	158	178	198	218	238	258	278	298	318	338	358	378	398	418	= 4560
39	59	79	99	119	139	159	179	199	219	239	259	279	299	319	339	359	379	399	419	= 4580
40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	= 4600
																				= 4410

4410 1010 1810 2610 3410 4210 5010 5810 6610 7410 8210
610 1410 2210 3010 3810 4610 5410 6210 7010 7810

UNIFORM STATE.

SQUARE 20.

GROUP 2

LEVEL 22

LINE VALUE STEPS FROM 610 to 8210.

SUM 88200

SQUARE 1 = 882

4 CORNERS.

MADE UP OF 4 SQUARES

SQUARE 2 = 2646

SQUARE 1 x 3. 882 = SQUARE 1

MADE UP OF 12 SQUARES

SQUARE 3 = 4410

SQUARE 1 x 5. 882 = SQUARE 1

MADE UP OF 20 SQUARES

SQUARE 4 = 6174

SQUARE 1 x 7. 882 = SQUARE 1

MADE UP OF 28 SQUARES

SQUARE 5 = 7938

SQUARE 1 x 9. 882 = SQUARE 1

MADE UP OF 36 SQUARES

SQUARE 6 = 9702

SQUARE 1 x 11. 882 = SQUARE 1

MADE UP OF 44 SQUARES

SQUARE 7 = 11466

SQUARE 1 x 13. 882 = SQUARE 1

MADE UP OF 52 SQUARES

SQUARE 8 = 13230

SQUARE 1 x 15. 882 = SQUARE 1

MADE UP OF 60 SQUARES

SQUARE 9 = 14994

SQUARE 1 x 17. 882 = SQUARE 1

MADE UP OF 68 SQUARES

SQUARE 10 = 16758

SQUARE 1 x 19. 882 = SQUARE 1

MADE UP OF 76 SQUARES

TOTAL = 88200

TOTAL = 7938

TOTAL = 400

HORIZONTAL TOP = 440

DIFFERENCES = 2

VERTICLE LEFT = 421

DIFFERENCE = 40

HORIZONTAL BOTTOM = 442

VERTICLE RIGHT = 461

Thats the centre block whose forces are x_{21}^{19} created by z_0^{19}

All remaining blocks will produce forces of the same value and in the same direction as follows :

x_{21}^{19} created from +2 this will apply throughout this square.
 z_0^{19} 40

On the next sheet is the random version of this square.

It may be possible to start the square at another point and still meet the mathematical requirements. But I have not had any time to investigate this matter.

Like the squares, molecules are built up of atoms, the LAW OF THE SQUARES APPLIES to them as well, they is a mathematical law on how they link together to form the various compounds that is known in nature. Sometimes man break these laws for his own gain, when he does this, we all have to pay the cost for his greedy aims.

Breaking natural laws does not help mankind at all, or in fact any other creature or plant, it will in the end, create the opposite effect.

Greed is man's downfall, it is one of the worst weapons upon this earth, which man has invented, the sooner the UNITED NATIONS banned it, the sooner mankind will live in peace and a better world.

42	400	359	81	122	320	141	299	260	182	199	241	180	262	119	321	100	342	39	401	= 4410
419	21	62	380	339	101	280	162	201	239	222	220	281	159	302	140	361	79	382	60	= 4410
23	417	84	358	317	123	298	144	237	203	218	224	157	283	138	304	77	363	404	38	= 4410
398	44	377	63	104	338	153	277	184	258	243	197	264	178	323	117	344	98	57	383	= 4410
46	396	355	85	126	316	275	165	256	186	195	245	176	266	115	325	96	346	35	405	= 4410
415	25	66	376	335	105	146	296	205	235	226	216	285	155	306	136	365	75	386	56	= 4410
393	47	374	68	313	127	168	274	233	207	214	228	153	287	134	308	73	367	54	388	= 4410
28	414	87	353	108	334	293	147	188	254	247	193	268	174	327	113	348	94	407	33	= 4410
50	392	69	371	332	110	271	169	210	232	191	249	172	270	111	329	92	350	31	409	= 4410
411	29	352	90	129	311	150	292	251	189	230	212	289	151	310	132	369	71	390	52	= 4410
389	51	370	72	309	131	290	152	229	211	252	190	149	291	130	312	351	89	412	30	= 4410
32	410	91	349	112	330	171	269	192	250	209	231	272	170	331	109	70	372	49	391	= 4410
408	34	347	93	328	114	267	173	248	194	187	253	294	148	107	333	88	354	27	413	= 4410
53	387	74	368	133	307	154	288	213	227	234	208	167	273	314	128	373	67	394	48	= 4410
385	55	366	76	305	135	286	156	225	215	206	236	145	295	336	106	65	375	416	26	= 4410
36	406	95	345	116	326	175	265	196	246	255	185	276	166	125	315	356	86	45	395	= 4410
58	384	343	97	324	118	263	177	244	198	183	257	164	278	103	337	378	64	397	43	= 4410
403	37	78	364	137	303	158	284	217	223	238	204	297	143	318	124	83	357	24	418	= 4410
381	59	362	80	301	139	282	160	221	219	202	240	279	161	340	102	61	379	420	22	= 4410
40	402	99	341	120	322	179	261	200	242	259	181	142	300	121	319	360	82	41	399	= 4410
4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	4410	= 4410

DOMAIN SQUARE 20.

GROUP 2

RANDOM STATE.

SPACE FRAME 4410

SUM VALUE 88200

TIME FRAME 22

OPTIONS 42

SQUARE 1 = 882		MADE UP OF 4 SQUARES
SQUARE 2 = 2646	SQUARE 1 x 3.	MADE UP OF 12 SQUARES
SQUARE 3 = 4410	SQUARE 1 x 5.	MADE UP OF 20 SQUARES
SQUARE 4 = 6174	SQUARE 1 x 7.	MADE UP OF 28 SQUARES
SQUARE 5 = 7938	SQUARE 1 x 9.	MADE UP OF 36 SQUARES
SQUARE 6 = 9702	SQUARE 1 x 11.	MADE UP OF 44 SQUARES
SQUARE 7 = 11466	SQUARE 1 x 13.	MADE UP OF 52 SQUARES
SQUARE 8 = 13230	SQUARE 1 x 15.	MADE UP OF 60 SQUARES
SQUARE 9 = 14994	SQUARE 1 x 17.	MADE UP OF 68 SQUARES
SQUARE 10 = 16758	SQUARE 1 x 19.	MADE UP OF 76 SQUARES

TOTAL = 88200

TOTAL = 7938

TOTAL = 400

HORIZONTAL TOP = 419
HORIZONTAL BOTTOM = 463

DIFFERENCE = 44

VERTICLE LEFT = 400
VERTICLE RIGHT = 482
DIFFERENCE = 82

DIAGONAL RIGHT TO LEFT = 441
DIAGONAL LEFT TO RIGHT = 441

DIIFERENCE = 0 This square is TRUE its balanced in energy to matter ratio.

THE BUILDING BLOCK HORIZONTAL TOP = 440 SWITCHING to 442
HORIZONTAL BOT = 442 SWITCHING to 440
DIFFERENCE = 2

THE BUILDING BLOCK VERTICLE LEFT = 421 SWITCHING to 461
VERTICLE RIGHT = 461 SWITCHING to 421
DIFFERENCE = 40

CRITERIA :

Having meet the mathematical requirement as per above,the results must produce the following states :

- 1.....The building blocks = 4 squares, 2 x 2.
- 2.....These blocks must be assembled in a manner that they switch the state from high to low and vice versa, in both the horizontal and verticle planes.
- 3.....The centre square diagonal must be neutral as it shares 4 different building blocks.If it is positive or negative the system fails..its out of balance.
- 4.....Each building block diagonals must have a difference of 2.
- 5.....Each building block to the next block must have a difference of 0
- 6.....If item 5 or 4 or both fails this requirements then the systems fails.

As a designer of structural concepts,whereby energy can be conserved converted and used. Such advanced thinking is useless,if the contents are not designed to the same standards. Therefore,over time I have purchased manufactured products to test under normal domestic use,to evaluate them from the point of cost,design appearance and examine the problems of their operational life.

Due to this requirement,to bring together the best technology that is safe,give good service,priced fairly, looks good.It is only correct that this knowledge be made available to our readers and shareholders throughout the world,and advise them on what action to take upon that matter,and the action that I shall take.

From time to time I shall give a report within these books upon such products that fail to meet the requirements. In this issue is our first report.

Company....ZANUSSI.

The Head Office is in Reading. Berkshire. TEL. 0635 52133

Our London office for north west London,is in North Middlesex,and their phone number is 01-427-4247.

ZANUSSI has the motto or phrase THE APPLIANCE OF SCIENCE. They advertise on ITV with an outer space theme. The impressed impression that I get,is that they are stating to the public at large,no other companies products can equal theirs.The sense impression that I get is that their products are superior to all others. So is it a CON ?

So I purchased one of their microwave ovens model MW600,which I considered as being an average type of unit which would be obtained by british householders. In appearance it is good. In practice it is noisy on BBC channel 2.

Problem...the small door release lever created the trouble,it has an insulated sleeve pushed on it,which is held by a small diameter metal pin. For some reason this insulated sleeve broke apart and the pin got lost.

What is left is a solid piece of metal whose length from the door is about $\frac{1}{2}$ an inch,its height is about $\frac{1}{2}$ an inch,and its thickness is about $\frac{1}{8}$ of an inch.A hole for the retaining pin is as near as possible to the door surface. Thus this is dangerous. if you catch your eye on it. Its difficult to open the door.It could become alive.

So on Friday 9th of March 1990,I phoned our local area centre only to be told that they could not sell me this piece of insulation sleeve and pin because it is so dangerous.I told the woman that they were talking to a professor and not to a baby.After long argument she put me through to a male who just repeated the same statement,after a long argument with him,he said,"you have to phone head office for the part".

About 15 minutes later I was able to get through,where a female gave me the same routine,after a long argument she put me through to a male,who stated that he was at the top,but gave me the same routine. I told him who I was and what I was. He still tried to convince me that it was so dangerous that their and only their engineers can fix it. So I said O.K. but I do not pay for his time,just the cost of the material,as I can fix it myself, or a child of 5 years can fix it with no problem. He relied that I must pay the cost of the engineer. Upon this point I told him that this matter will be published in my book and as their equipment is so ruddy dangerous,advise all not to buy products with the ZANUSSI trade mark upon it. He replied that's alright.I told him that I would phone THAT'S LIFE upon this matter as the most stupid thing I have ever heard.What they were saying is this..all customers buying their products are stupid,insane, unintelligent,ignorant. I take offence to any business which looks upon their customers in this manner.

I phoned the BBC1..01-743-8000 and talked to some one on THAT'S LIFE..they said it sounded interesting, would I write that down and send it to them.Address it to THAT'S LIFE.BBC TV. LIMEGROVE.WM12 7RJ.

I have been so heavily pushed that I have not been able to undertake this matter any further until now.A copy of this page,will today,be sent to THAT'S LIFE as they requested.

In reference to company stupidly,Zanussi takes the cake.From this day forth I shall never recommend their products,nor will I buy them. I am surprised that they do not place a red label on the door saying not to be used its dangerous..Just look at it.If you want to use it,you must call in their engineer who will undertake the cooking for you at a price.All I can say to them is to politely and with dignity shove it right up you arse,as far as it will go.

This is the first report on companies,other books will cover British products,so keep watching for I have some surprises for you. Besides investigating products,I have to design many products for this work. So we shall see the options available and how I select the option best suited for the job that must be done.

There are many firms today that simply rip off the public,and it must stop..and I shall do everything in my means to halt them. I am the publics best friend,for what I state is the whole truth.

Understanding the things which I must be able to understand is vital. When you have to design products to operate from power, then power supplies are needed. So let's look at some of the trends and developments in power supplies.

An all embracing definition of power devices is well nigh impossible because the range of activities that can be included are now of such variety in application and technology as to make any attempts at such a definition an exercise in futility.

At the lower end of the scale, the requirements of supplying power by boosting the voltage from a single battery to the 5V level needed for electronic equipment qualify as power electronics as does the activities of providing the intelligence to manage the efficient use of that power.

At the other end of the scale GTO power switches capable of handling currents at 3000A and blocking voltages of 4500V (Fig 1) also qualify as part of the definition.

But more recently to the always present requirements for efficiency, have been added protection for both the device and those who are involved in its use at the application end point. The terms "rugged" or "foolproof design" covers this activity.

While work at all levels of power is always on-going to satisfy my latest application requirements certain areas of activity dominate the proceedings and set the standards and design techniques that will be adopted by me for the other areas. Up until quite recently the design of power supplies was the centre of attention, but there is little doubt that the automotive industry is now receiving much of the attention of the power device innovators.

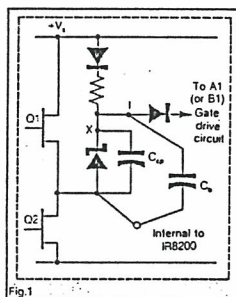


Figure 1: Simplified conceptual charge pump and boot strap circuits.

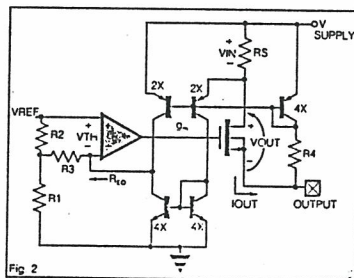


Figure 2: Transconductance multiplier circuit.

Power switches must now be smart enough to protect themselves from a situation where they are shorted across the power supply, they must be able to detect and prevent predefined power levels from being exceeded and they must be configured so that the possibility of the inadvertent operation of the valve or motor to which they are connected.

For that latter reason there is much concentration of effort on what are called "high side" switches, that is

switches that allow one side of the load to be connected to ground and control the application of the power supply to the load. The emphasis on high side switches comes about from the point of view of safety because if the system ground is accidentally connected to the driven side of the load in a low side switched system the mechanical device will be activated with potentially catastrophic results while in the high side case it will not operate.

But there is more to the smart power devices than self protection and the protection of the user. The device must be able to communicate its status to the central intelligence or management system or receive instructions.

In (fig 2) described a fully protected DMOS BIPOLAR QUAD 1A high side switch. The device used a combined CMOS, DMOS and BIPOLAR isolated process. It incorporated independent output power limiting cells for each output, a voltage tripler and a status/error information port. The circuit is protected from over voltages over currents including short circuits and over temperature. It operates on a 6 to 32V supply protected to a maximum of 60V and requires zero standby current.

One of the problems that must be solved with high side devices, especially DMOS is that to turn them on requires the gate to be taken to a positive voltage above the supply voltage. In the past especially with respect to their IR8200, a DMOS H bridge circuit was adopted (fig 3) was to provide a charge pump shown in figure 1. Two clocked transistors; Q1 and Q2, are used to initially, when Q2 is turned on, charge an internal capacitor C(cp) to 14V. Then with Q2 off and Q1 on the capacitor is connected to the positive supply rail which forces the point X in figure 1 to some 14V above the positive level and provides a signal suitable for driving the high side gate. Because integrated capacitors are costly in silicon area, and to provide for higher frequency operation of the DMOS output devices, the option to utilise an external bootstrap capacitor is provided.

The charge pump in the case of the high side quad switch is described as a voltage tripler and only a single tripler is provided for all four quad switches. The problem is that the use of a single tripler presents an operational conflict. To avoid the crosstalk that might occur if one switch was on and the others in turning

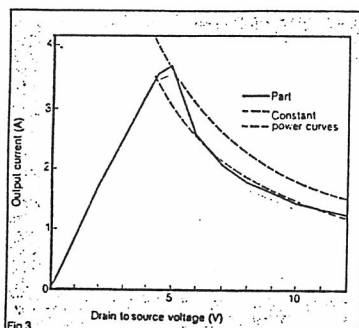


Figure 3: Comparing achieved with true constant power.

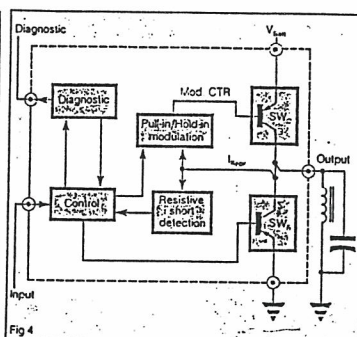


Figure 4: Functional block diagram of the solenoid driver IC.

$R_{DS(on)}$	0.8 Ω
Short Circuit current limit	1.15A
Peak output current ($V_{CC}-V_{DS}=3.5V$)	3.2A
Standby Current (leakage)	<2 μA
Operating current	6.8mA
Channel delay+rise time (1A load)	12 μs
Temperature warning	148 $^{\circ}C$
Temperature shutdown	168 $^{\circ}C$
Overvoltage Shutdown	35V
Serial data port max clock	8MHz

Table 1: Measured performance characteristics of DMOS/Bipolar Quad 1A High-Side Switch for $V_{CC}=12V$, ambient temperature=25 $^{\circ}C$ and $C_{INPULS}=0.01\mu F$.

on were to overload the tripler and reduce the drive current to the original device, the option for an external capacitor is provided for use as a charge reservoir. But that is not all because it is still desirable to turn the output devices on as fast as possible to avoid on-chip power dissipation and to do this the output stage bias is throttled back to 1% of its boosted value after 20 μs .

The DMOS devices all incorporate what is described as a true constant power limit circuit. A transconductance multiplier shown in figure 2 is used which generates the product of the voltage across and the current through the DMOS device. The voltage generated is compared with a reference level to limit the instantaneous power to a predetermined level.

Figure 3 illustrates the performance obtained compared with constant power. The control of chip temperature is an important factor and can be used for the detection of a short circuit conditions. In the case of the quad switch a two level detection and reporting technique is employed. The chip prewarms by producing an output for the central management system when the temperature has reached 145 $^{\circ}C$ and indicates that if the prevailing conditions persist shut down at 170 $^{\circ}C$ will soon occur. Such a strategy gives the central management system the option to start the ordered reduction of power before the IC unilaterally ceases to drive the loads.

The use of positive and negative temperature coefficient devices to increase the overall thermal gain of the circuit is an innovative feature. The positive temperature coefficient is provided by a band gap reference generating a positive voltage across a resistor which is compared with a forward biased base-emitter junction. A difference in area of the two chip temperature sensitive devices provides the two different temperature detection points. A summary of the performance obtained is in table 1.

A 6A monolithic switch mode solenoid driver, this device used a pulse width modulation (PWM) technique to provide a pull-in current of 6A and a hold current of 3A. The schematic block diagram of figure 4 illustrates the protective and diagnostic features of the chip.

The device uses a bipolar process with an isolated PNP transistor option.

In operation the initial current is maintained in the range 4 to 6A using PWM of the high side driver. The current is allowed to rise in the inductive load to 6A as shown in figure 5 whereupon the drive is removed and the current allowed to decay through the ground path to 4A at which point the cycle is repeated. After a predetermined period the high-low current thresholds are allowed to reduce to the range 2 to 3A to produce the holding period.

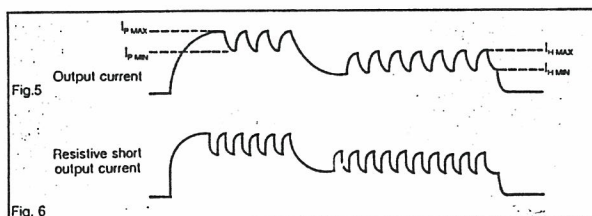


Figure 5: (top): Pull-in and hold current profiles.
Figure 6: (above): The effect of parallel non-short load.

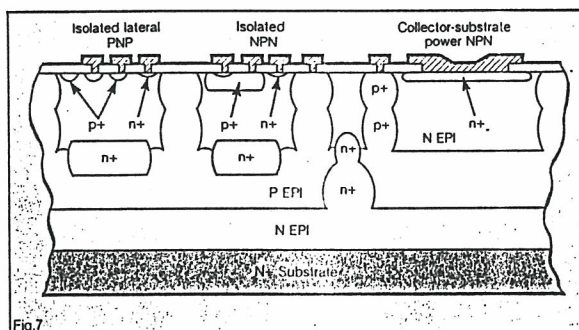


Figure 7: Multi-epitaxial power process cross-section.

As well as the normal but more complex over dissipation and short circuits, the PWM technique provides what is called a resistive short to ground detector. This is activated when a resistive load is placed electrically in parallel with the inductive load of the solenoid. The problem with such loads is they can reduce the power to the real load without being detected as a short circuit with the result that the solenoid will fail to pull in or hold.

The effect on the switch of such loads is to change the switching frequency of the modulator as shown in figure 6. Because the switching current levels are being reached more quickly, the frequency of operation can be compared with a standard and if different the resistive load condition signalled. Another feature of the device is its ability to deal with operations from different power supply levels if the same modulation frequency was to be used for the higher voltage the mean current level at pull-in would be different.

With a 10A high side device specifically aimed at automotive anti-lock braking systems, another analogue power device technology employs a multi-epitaxial process shown in cross section in figure 7.

It is claimed that the technology allows single or multiple vertical epitaxial base power transistors to be combined with either standard bipolar or CMOS logic without the compromises normally associated with this type of merged technology.

The technology allows the output transistors that can deliver high voltage and high currents for example 20A and 85V with adjustments in the thickness and resistivity of the epitaxial layers providing the means to extend this to 20A and 500V. The resistivity of the upper epitaxial layer provides the ballasting resistance for the NPN transistors to prevent thermal runaway. The resulting output transistors have a positive temperature coefficient of gain at low current densities $2A/cm^2$ and because of the effects of the ballasting a negative temperature coefficient at current densities of $500A/cm^2$. The ballasting also inhibits the formation of hot spots through current crowding.

Because the power transistor characteristics are established before the upper epitaxial layer is deposited there is a great degree of flexibility in setting the characteristics of this layer. This means that it can be isolated and used for high density CMOS or bipolar logic.

A special requirement for those who would be suppliers to the world of automotive electronics is to be able to accommodate the accidental reversal of battery potentials. For this purpose the high side switch design uses isolation biasing. This is achieved by using an NPN transistor to provide biasing to the isolation regions. One of these transistors biases the isolation in the logic area to ground while the other biases the output logic circuitry to the output pin. The two isolation regions are reverse-junction isolated with battery potential. During normal operation the isolation biasing transistors are turned on to switch the respective isolation to the proper biasing voltage but during a battery reversal the transistors turn off and block the reverse $2A$ battery current. This type of isolation might be described as dynamic isolation. The complete device is shown in figure 8 with its protective and diagnostic functions indicated.

The requirement to generate 5V power from a single cell batteries has been recognized for a considerable time. There was the CMOS DC-DC converter that broke new ground in that up until that time DC-DC converters able to operate from the 1.0V of a single alkaline cell near the end of its life had been based

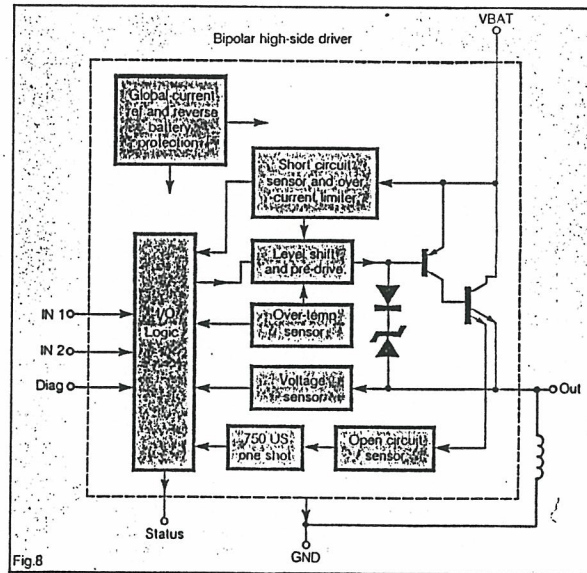


Figure 8: 10A high-side driver block diagram.

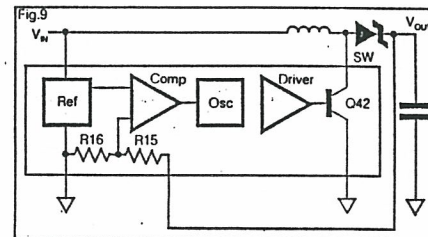


Figure 9: Block diagram of circuit in boost mode.

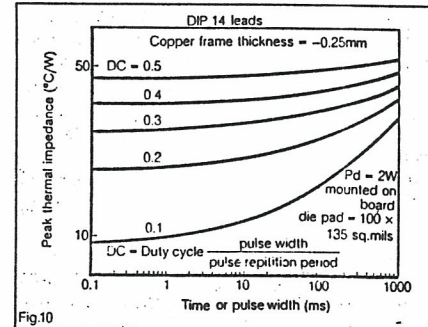


Figure 10: Thermal impedance vs. duty cycle for 14 Lead DIP.

on bipolar technology. An example of this technology was the MAX644 that can deliver 45mA at 5V for an input of 1.2V. The other demand placed on such a device is that to save battery power it must be able to inhibit its own operation when the system which it is powering is not in use. A technique used in pagers is to only allow the device to be called during fixed time periods and in between maintain the device in a sleep mode. A device which is based on a double or auxiliary converter design that allows the main converter to be turned off during the sleep period but rapidly reinstated when required.

Other solutions to the single cell to 5V conversion are still being sought, this year a low voltage micro power 1A switching regulator based on a low saturation bipolar technology was on show. The search for the lowest quiescent current led linear technology to adopt a gated oscillator scheme which can be understood by reference to figure 9 which is a block schematic of the device operating in a boost mode. The switch cycles only when the voltage on the feedback pin falls below the reference level. This is in contrast to those systems where the device is continuously clocked and the duty cycle varied. There is a penalty in that the gated system introduces more ripple into the output.

The circuit is capable of operating down to 1.0V input and consumes 100uA under no load conditions, it is capable of delivering 5V at 50mA with a 1.5V input the inclusion of a 1.0A switch with a saturation resistance of 0.6 ohm means the current is not limited in output power.

There is still much discussion as to the point with respect to power where it becomes necessary for hybrid assembly techniques to be used to enable intelligent switches to be manufactured. The french have defined their area of operation as modules that switch currents from 5 to 200A and voltages from 60 to 1000V. The intelligent switches are based around what is called a LOGIPACK concept. It is a power hybrid module with logic compatible input, galvanically isolated and built in protection against over-load and short circuit. One of the features of the latest LOGIPACK modules is the move from the monitoring of Vcesat to the monitoring of Vbe as well.

The problem with Vcesat monitoring is that it must normally be inhibited for a few microseconds during the turn on transient period, but during that period if the device is turning on into a short circuit the collector current can grow to damaging levels. Monitoring Vbe allows the reaction time of the circuit to keep any short circuit currents inside the safe operating area (SOA) without the use of external inductors. The Power Compact range of modules are constructed in hybrid form around a common core control ASIC.

L6280 must qualify as one of the smartest power switches to date. It integrates on a single chip two 1A motor drives, a 3A solenoid driver and a 5V switched mode power supply and control logic. As yet nobody has integrated a four bit into a smart chip but the L6280 represents the last step before that with a microprocessor interface.

The chip's six power devices consist of two high side and four low side devices, with on resistance of 1 ohm and respectively. The device is software reconfigurable to drive stepper motors, single and dual solenoids, and full and half bridges.

As well as including in its 1000 gates all the intelligence for thermal protection, power loss detection and reconfiguration other facilities must be included. These relate to avoiding the serious problems that could occur if after a power loss the device was to repower up in a different configuration to that intended. Firstly all drivers are inhibited until a post initialisation key is transmitted. Second the same key word is required to unlock the drivers in the event of any attempts at unauthorised changes.

Many of the techniques already discussed here for the thermal protection of power chips allow a new approach to power systems design with respect to packaging to be adopted.

It has been shown that the dissipation advantages that can be obtained if the thermal impedance of a package is considered as against the normally published thermal resistance. The reason why thermal impedance can be considered is because of the low duty cycle involved with many power devices (disc drives). Figure 10 illustrates for a 14 lead copper framed DIP package the relationship between thermal impedance and duty cycle. It is apparent that if a designer makes use of the benefits of both thermal resistance and thermal capacity of a package the overtemperature shut down detectors will protect the system from disaster during a fault condition that might result in a period of high duty cycle.

One can improve the thermal performance of conventional leaded surface mount packages for power applications. The principle internally shorts some of the leads to form a copper plate on which the chip can be mounted. Those leads are brought out of the package in a conventional manner allowing the component to be placed or inserted and soldered like any other. If a copper land is provided on the PCB to which these special leads are connected further improved dissipation can be achieved.

A final alert to power device users beware of using published thermal resistance values without taking into account package density - if you don't the result is likely to be some pretty hot boards.

This ends my discussion on power products for the time being, as different developments take place I shall inform you of them.

Within my work, all things known to man is involved with a very great amount of that which is not known, if the full range of success is to be. So far I have only covered but a grain of sand of a desert. The aims of these books are to help you to think, and create that which will be most beneficial to you and your family.

We are told that fluoridation is so important for our teeth, so let's take a look at life.

We've heard that fluoridation is soon to come our way, and we'll just have to drink the stuff, no matter what we say !

The "experts" say, in their expert way, and they really seem to think it, that fluoride cuts down tooth decay, and so we all must drink it.

Now healthy teeth are fine to have - the false ones aren't so handy; If fluoride only fixed our teeth, its use would be just dandy.

So pass around the drinking glass - be sure it's fluoridated; For all our rules of health, alas, have now been "liquidated".

Who cares a lot if kidneys rot; We'll simply do without 'em. And if our brains go down the drain, we just won't think about 'em.

If hearing fades, and deafness comes, it really doesn't matter; We just won't have to listen to the television chatter !

If vision dims, and joints grow stiff, and hands begin to quiver, our teeth will still be firm and sound, although we've lost our liver.

When lungs collapse, and heart grows still, we'll go without a sigh, for we'll have a lovely set of teeth to grin with when we die !

Making fun of life can be good for us, because it is a serious matter, this living. If you are in constant pain, as I am, and millions more are, and can still make fun of life, than you sure are a man. I do sincerely hope that the above article will make you laugh and not offend, and I look forward to hear from you upon any matter, no matter what, that you can present in a comic form. Nothing in these books are issued to offend anyone, but to enlighten you upon how I think, what I see, and what I know. Cartoon strips upon the S.E.G. or INVERSE-G-VEHICLE are more than welcomed in these books. Also serious articles upon any field of science that would be of value are welcome. Through making available this information can we progress forward. So switch your brain into high drive and get those comic bits to me, for use in future books.

To end this issue I shall cover one solar project that has been done in the U.K., but before that let us take a look at a couple of letters which give an outline of the kind of replies I receive. First a TRIG CONVERTER FOR INDUCTANCE MEASUREMENT.

The circuit presented in this design implements an inductance measurement method, which indicates both the inductance and the internal resistance of a given inductor. The advanced ICs used here may be substituted by equivalent circuits constituting of discrete op-amps, if low cost is of prime concern.

As shown in figure 1 op-amp U4D (1/4 TL084) supplies the unknown inductance L_x (with internal resistance r) with a con-

stant current. The input voltage, derived from the quadrature oscillator, which will be described later, is of the form: $v_o = V_o \sin(\omega t)$. Therefore we have that: $i = V_o/R \sin(\omega t)$ and the op-amp's output voltage is $v_o = V_o/R \cdot i(r^2 + (L\omega)^2) \sin(\omega t + \theta)$ where $\theta = \arctan(L\omega/r)$.

The AD632 is a high precision analogue, four quadrant multiplier (0.5% max error). It effectively multiplies the input voltage v_o with the output voltage v_o . The resulting voltage is then

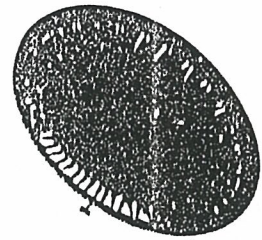
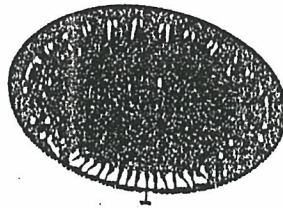
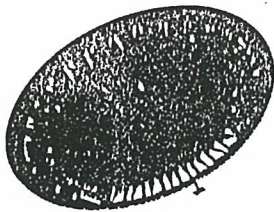
$v_o \cdot v_o = V_o^2/2R \cdot (r^2 + (L\omega)^2) [\cos(\theta) - \cos(2\omega t + \theta)]$. An active low-pass filter, realised with U4B, can remove the undesired variable cosine term. The filter output voltage is then $V_{ii} = (V_o^2/2R)$, where the first term is a constant measurement parameter.

Similarly, if the output voltage v_o is multiplied by the cosine output of the quadrature oscillator we have a product of the form $v_o \cdot v_o = V_o^2/2R \cdot (r^2 + (L\omega)^2) [\sin(\theta) - \cos(2\omega t + 90^\circ + \theta)]$.

Again a low-pass filter (op-amp U4C) is used to remove the cosine variable term and the output voltage is equal to $V_{ii} = (V_o^2\omega/2R)L$. The first term is another measurement constant parameter, depending on the measurement frequency.

The quadrature oscillator used in this circuit constitutes from an AD630 balanced modulator/demodulator and two AD639 trigonometric function converters. A triwave oscillator comprises the AD630, which

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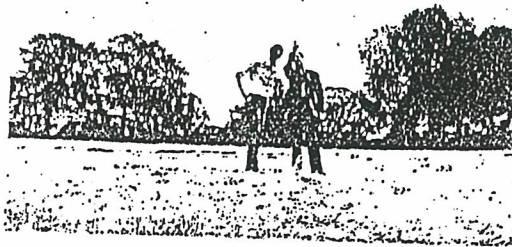


YOU CAN INVEST IN THIS PROGRAMME AT ANY TIME YOU WISH - WITH WHATEVER AMOUNT THAT YOU WISH TO GIVE AND AS OFTEN AS YOU WISH.

YOU CAN EVEN HELP IN ITS DESIGN - ITS MODELLING - ITS CONSTRUCTION.

STARSHIP EZEKIEL MK.V. will contain within its structure the latest and best of TECHNOLOGY, From which we expect the very best to be achieved at the possible lowest cost to mankind.

YOUR HELP TO ITS SUCCESS IS VITAL - IF THIS TECHNOLOGY is to appear in our lifetime - PLEASE SEE FIT TO BUY SHARES NOW - THUS HELPING TO SPEED ITS SUCCESS - you in the end will benefit from it.

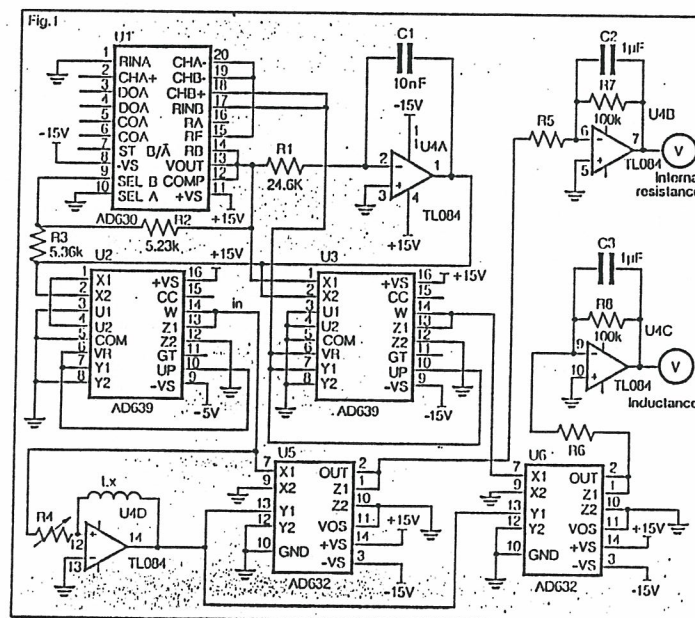


TRIG CONVERTER FOR INDUCTANCE MEASUREMENT..continue....

produces a $\pm 1.8V$ amplitude square-wave and the U4A op-amp, which integrates the square-wave to produce the triwave. The amplitude of the triwave is determined by the ratio of R2 and R4, and is nominally for this circuit $\pm 1.845V$.

The triwave output is used directly to produce the sine signal, whereas the cosine signal is produced by the difference of the triwave and the square-wave. Both trigonometric outputs have accurate 10V amplitudes and their frequency is nominally $1/4C_1R_1$, which is 1KHz for the component values shown.

Calibrating U4D output with variable resistance R4 to approximately 500Ω will produce a $V_o^2/2R$ ratio equal to 0.1. Final system calibrations are achieved by carefully selecting and trimming R5 and R6 which affect the amplification parameters of both low-pass filters ($A_1 = -R_7/R_5$ and $A_L = -R_8/R_6$).





GERMAN TELEVISION (ZDF)
LONDON STUDIO

J.R.R. Searl, Esq
17, Stephen Close
Mortimer
Berkshire

14th May, 1971

Dear Mr. Searl,

Please let me thank you once again
most cordially for your kind cooperation.

Meanwhile the film came out of
the laboratories and the pictures are absolutely
delightful. The programme will be transmitted
in Germany on May 20th.

Enclosed please find cheque for
thirty pounds with best regards from all the crew
and best wishes,

Yours,

Carl Weiss

(Carl Weiss)

Enclosure



GERMAN TELEVISION (ZDF)
LONDON STUDIO

John Searle, Esq.,
17 Stephens Close,
MORTIMER,
Berkshire.

26th April, 1971.

Dear Mr. Searle,

I should like to thank you very much indeed
for all your help and co-operation in our filming
yesterday.

I also return herewith, with grateful thanks,
your German literature.

I should like to take this opportunity of
wishing you and your colleagues every success for
the future in your extremely interesting project.

Yours sincerely,

Carl Weiss

(C. Weiss)

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CB/JMV.

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01-668 9363
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TELEX 87307
CABLES: AIRLAKER GATWICK

Mr. J.R. Searl,
17 Stephens Close,
Mortimer,
Berkshire,
RG7 3TX.

3rd March, 1981.

Dear Mr. Searl,

Thank you for your letter of 28th February. As you know I am most interested in your project. Unfortunately I am unable to contact you at Mortimer 332289, which is the telephone number I have for you. I would be most grateful therefore if you could either let me know your present telephone number or alternatively give me a call at Horley 5644 or 75111, extension 220.

Incidentally, I was delighted to receive your letter.

Yours sincerely,

Christopher Brown

C. Brown.
Group Solicitor.



From: Squadron-Leader David Checketts.

David Checketts

BUCKINGHAM PALACE

12th December, 1963.

Thank you for your letter to The Duke of Edinburgh - I am so sorry I have not answered it before now.

His Royal Highness asked me to thank you for your kind invitation and to say how sorry he was not to be able to accept owing to his departure for Africa.

David Checketts

Mr. J. R. R. Searl.



University of London
GOLDSMITHS' COLLEGE
New Cross, London, SE14 6NW
Telephone 01-692 0211
01-692 7171
Department of Fine Art

19th July, 1973

Dear Sir,

I enclose cheque for £12.00 in payment for a recent lecture you gave in the School of Art.

Yours faithfully,

Myron Gouk
Secretary
School of Art

Mr. J. Searl,
17 St. Stephens Close,
Mortimer,
Nr. Reading,
Berks.



Department of Trade and Industry
TECHNOLOGY REPORTS CENTRE
Orpington, Kent BR5 3RE
Telephone: Orpington 32111 ext. 244

29 JUL 1973

Dear Sirs

Receipt is acknowledged of your subscription to the 'Techlink' service.

Yours faithfully

C. D. Allen
for Hd/Technology Reports Centre

Here's the proof of the past, the Duke of Edinburgh was invited to attend my very first flight demonstration of the INVERSE-G-VEHICLE the LEVITY DISC P11 at MORTIMER in BERKSHIRE. I often gave lectures at schools, Grammar Schools and University's within the U.K. These are but a few letters from my records of the past. Just to show that I was well known at higher levels.

The last few years I have not been able to demonstrate, as the cost has been beyond my means to prepare such demonstrations - it has nothing to do with the fact, that I cannot do what I state..its only hard cash that stops me showing what I can do. These books show what I can do, because I know what's is written here, and I do understand it, and far beyond what is written here, I understand, for its my life's study and work including interest. Be warn that the day will come, that I shall rise up and demonstrate things which are beyond man's knowledge, or reasoning, far beyond their understanding, and within this hour the earth will commence its re-shaping in full eruption which will end man's present way of living, he must change or die, the choice is his. China, Russia and Iran has felt the leading edge of what is yet to come, take note of these things, your turn is very near.

THE WHATELEY ROAD SOLAR PROJECT

Introduction

Installation features

System materials

Monitoring system

Results

Three Tap System

Tables

References

View of five solar installations including double area (10m²) installation at 70 Whateley Road



Introduction

This scheme was opened in October 1978 by Alex Eadie, Parliamentary Under Secretary of State, Department of Energy and at that time was the largest solar-assisted water heating project in Britain. Fourteen rehabilitated mid-Victorian terrace houses at Whateley Road, East Dulwich, were selected for a two year trial funded by the Department of Energy (ETSU). The scheme was designed by the South London Consortium Research and Development Group (SLC) in co-operation with the London Borough of Southwark Director of Housing.

The interest of Copper Development Association centres on the all-copper solar-assisted domestic hot water system installed in each house and this report describes the installation and subsequent operation of the systems during the monitoring period.

Following refurbishing, thirteen of the houses have been occupied by Council tenants whilst the fourteenth currently houses the monitoring equipment and is used for display purposes and further development of the solar system.

The four main monitoring objectives are:-

- 1) to estimate by how much the solar assisted system cuts water heating bills
- 2) to study hot water usage patterns and the effect of solar assistance
- 3) to collect data for mathematical modelling of the annual weather patterns, of water usage of local authority tenants, and of the domestic hot water system
- 4) to check the durability of the panels and other parts of the systems

A preliminary study was carried out by the SLC on a test rig and a single house installation in Askill Road, Wandsworth, and the basic data and test results are contained in other documents previously published elsewhere and referenced.

Installation features

Thirteen of the fourteen systems are of the same design, similar to that used for one system at Penrith Close, Putney and as shown in Diagram 1 overleaf. The aspect of the roof on which the panels are situated is South + 4° as the terrace is slightly curved. The 5 — 1m² panels are of the tube and fin type, coated with Nextel® 2010 velvet coating and single glazed, connected to a 440 litre insulated indirect domestic hot water copper cylinder. The solar coil is situated in the bottom third and an electric immersion heater for supplementary heating is installed in the top third of the cylinder. The pump is operated by a Satchwell differential control unit set at a temperature of about 4°C. 10m² of solar panels are used for the fourteenth system to evaluate the effect of the solar contribution to the system of doubling the collector area.

A three tap two cylinder system is installed in one house as in Diagram 2 overleaf. In this installation the 5 — 1m² solar panels are connected to a 280 litre insulated indirect copper domestic hot water cylinder, with a pump and control unit as for the other systems. An auxiliary insulated direct hot water cylinder of 140 litre capacity is equipped with an electric immersion heater.

The third "solar" taps at the sink, hand basin and bath are serviced directly from the solar hot water cylinder. Additionally the electrically heated cylinder is fed from the solar cylinder rather than direct from the cold water tank. A future modification envisaged for this system is the replacement of the electrically heated cylinder by an instantaneous heater to eliminate the storage heat losses.

System details

The 5 — 1m² solar panels are mounted between the rafters of the roof structure, which has been strengthened prior to the replacement of the roof slates. The hot water cylinder is situated in the basement airing cupboard next to the bathroom and the insulated hot water pipes from the top of the cylinder to the services are approximately 3 metres in length. The indirect solar system is filled with a distilled water and propylene glycol anti-freeze mixture which reduces the chances of freezing in the panels during cold winter periods. The low energy pump (50W) is controlled by a differential analyser with two temperature sensors, one monitoring the temperature at the solar panel and the other at the hot water cylinder. The pump is switched on when the temperature at the panel is around 4° higher than the cylinder temperature. The larger than normal 440 litre insulated indirect copper cylinder allows for the storage of hot water sufficient for 2 or 3 days after heating by the sun for a few hours during periods of maximum insolation. The coil is situated towards the bottom of the cylinder to allow the whole volume of water to be solar heated whilst the electric immersion heater is located in the top of the cylinder hence heating only a limited quantity of the stored water. Electricity is used for hot water heating for ease of monitoring rather than for cheapness of fuel.

The two cylinder three tap system incorporates a temperature gauge above the sink in order to indicate to the user the temperature in the solar cylinder. In addition the immersion heater switch is also provided alongside the temperature gauge. This facilitates the switching operation by the user and the immersion heater is less likely to be left on accidentally. Two thermostats in series control the operation of the immersion heater which will not be switched on if there is sufficient hot water in either cylinder.

Solar system equipment

Panel area — total 5m²

Design

5 all-copper panels — 1650mm long x 600mm wide
Refrigeration Appliances Limited, Haverhill.

Risers	15mm copper tube	} BS2871 Part 1 Table X
Headers	22mm copper tube	
Collector plate	0.5mm copper sheet	BS2870 C106
Insulation	75mm Rockwool Slab Insulation	Grade 331

Collector surface 3M Nextel® 2010 Velvet Coating

Hot water cylinders

1 — 440 litre indirect "Solaric" or 1 — 140 litre direct and 1 — 280 litre indirect "Solaric" copper cylinder IMI Range Ltd, Stalybridge

Pump

"Solar Maxi" SMC Ltd, Bridgewater

Differential Analyser

Satchwell Sunvic Limited, Motherwell

Pressure Vessel

Extrol, Hill Foster Limited, Hatch End.

Diagram 1. Pumped Solar Water Heating System

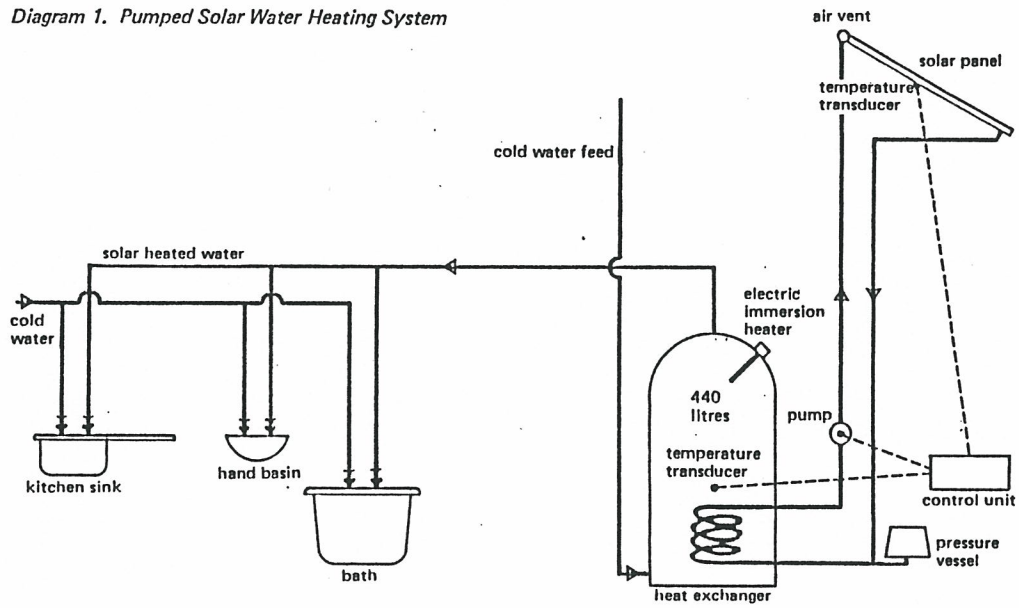
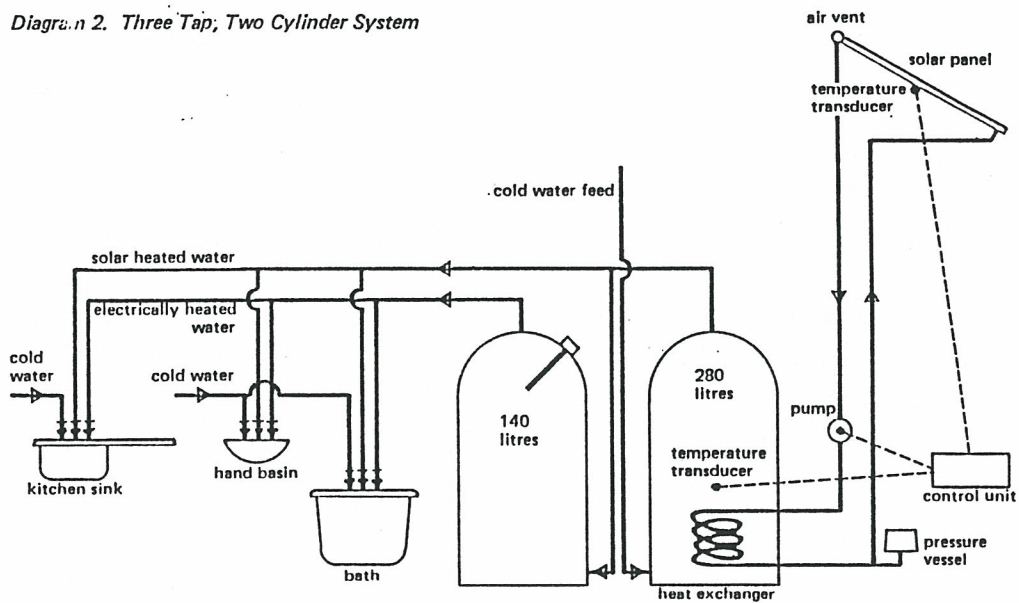


Diagram 2. Three Tap, Two Cylinder System



System materials

The Solar pre-heat systems in each house of the Whateley Road project are plumbed throughout in copper which has become a preferred material for solar water heating systems not only in the United Kingdom but in many countries including Australia, Japan and the United States.

In this country confidence in the use of copper tube and sheet for the containment and circulation of domestic hot water has been built up over many years and solar pre-heating systems may be considered as simple, logical extensions to existing domestic hot water systems requiring only the basic knowledge available to builders, plumbers, electricians and similar trade craftsmen.

Copper is a high thermal conductivity material and as a result in all-copper domestic solar heating systems it is important to ensure that all components apart from the exposed face of the collector are well lagged to prevent radiation loss to the external atmosphere and also the internal environment of the house. The conversion of incident solar radiation into usable heat in a solar heating system involves the transfer of heat through the body of the collector to the heat transfer fluid, which carries it away for storage and subsequent use. The flat plate collector, as used in the Whateley Road scheme, consists of discrete waterways fabricated from copper tube and fittings attached to the collector plate by high temperature solder. The efficiency of the thermal transfer is a function of the conductivity of the panel materials including the solder and the separate bonded tubes which may be spaced at greater distances with copper than with other materials of lower conductivity.

The mechanical and physical properties are well established and documented and their ready availability has enabled the performance, compatibility and reliability of system components to be accurately predicted. Phosphorus deoxidised non-arsenical copper (C106) is the most commonly used copper in domestic heating and plumbing systems although electrolytic tough pitch high conductivity copper (C101) is generally specified for electrical applications.

Copper is compatible with most other conventional plumbing system materials and with a wide range of fluids including the anti-freeze solution used for frost protection in solar heating systems. Ethylene glycol has been used as an anti-freeze in solar circuits but it degrades over a period of time and this results in increasing acidity and corrosivity of the heat transfer fluid. Hence systems requiring frost protection now use the alternative non-toxic propylene glycol. Inhibitors to retard the rate of degradation are included in the glycols used in automotive cooling systems but renewal is still recommended after two years. In a solar circuit the temperatures reached locally in the collector during the summer may exceed those in motor car cooling systems, resulting in more rapid degradation. It is therefore advisable to have the glycol containing heat transfer fluid checked annually to ensure that excessive acidity has not been generated and this is carried out as a routine maintenance operation.

Fabrication and joining involved a range of techniques already familiar to the installers, plumbers and heating and ventilating engineers. However, stagnation temperatures of up to 200°C may be achieved in solar collector panels with matt black surface coatings and as conventional lead-tin solders melt at 183°C, the installers were advised to use high temperature solders to avoid the possibility of breakdown of joints under stagnation conditions especially prior to commissioning after installation.

It has to be remembered that copper tube is available in various tempers ranging from annealed (O) to fully hard (H) and in different wall thicknesses again depending upon the temper. The softer grades are suitable for bending and may be supplied in coils whereas the hard temper tube is available in straight lengths and changes in direction require the use of fittings. (See references for details of tubes and fittings). If heat is applied to hard temper tube then the material will become annealed and design calculations should be carried out using the annealed strength values.

Surface treatments affect to a very significant extent the efficiency of solar collectors and it is important to achieve optimum surface texture and finish. A surface which accepts a maximum proportion of the incident radiation and re-radiates a minimum proportion of that which has been accepted, is called a 'selective surface'.

Selective surfaces combine high solar absorptance in the wavelength range 0.2 to 2 microns with low infrared emittance around 20 microns and thus permit more efficient collection, particularly at higher temperatures. Selective surfaces have been produced with solar absorptances of about 0.9 and infrared emittances in the range of 0.1 to 0.2. Although low-cost selective surfaces have been used on a number of solar collectors, further work is required to establish the durability of these surfaces under a wide range of operational conditions, hence the Whateley Road installation uses a non-selective matt black paint.

Non-selective surfaces which have high solar absorptance properties can be readily achieved with commercial flat black paint, but their infrared emittance is also high. This type of surface was used on these installations because it is simple and inexpensive. Care had to be taken in preparing the copper surface prior to the application of suitable primer and finishing coats of paint.

In addition, the thermal cycling of the panel surface could possibly cause reticulation and breakdown of the paint/metal bond in an uneconomically short time. Hence it is suggested that a surface with either an expansion coefficient similar to copper or a resilience able to accommodate the expansion should be considered for application to copper panels.

Corrosion resistance is a prime requirement of solar heating system reliability and to be economically viable the system must run fault-free for at least the 'pay back' period which for most commercial domestic pre-heat systems is in excess of 10 years. Most systems contain few moving parts, with the exception of the pump and therefore mechanical failures can be kept to a minimum. The real potential enemy is corrosion and it is useful to identify the problem areas and then examine the methods adopted to avoid these problems.

A major factor in the selection of copper for this solar heating system concerned the compatibility with other parts of the domestic hot water system. The most important mechanisms causing corrosion may be summarised as the presence of a) oxygen and b) mixed metal systems. The closed circuit system incorporates devices to allow for expansion and venting of the system hence reducing the pickup of oxygen from the air and the single metal system reduces the susceptibility of components to corrosion. Due allowance has been made for the variations in operating pressure and calculations to determine adequate thickness of tube and panel components were carried out.

Monitoring system

It is important to appreciate the differences and limitations of field monitoring compared with laboratory trials. In field trials where systems are tested in a real environment with real people the effects of monitoring on the people involved should be minimal in order not to unduly influence the normal operation of the system.

This monitoring system was designed for fourteen solar water heating installations in tenanted houses. It was clear from the outset that access to the monitoring components situated in the individual houses would be extremely limited. Major problems would occur if it became necessary to repair cables which ran partly through the lofts of tenanted houses. In any case parts of the cables were hidden, for example under the kitchen cupboards. Careful consideration had to be given to these factors in designing the system.

It is also very easy to be over-ambitious in defining the objectives of the monitoring systems. Whilst in a laboratory it is feasible to adjust the angle of tilt of the solar panels it is hardly possible to carry out this experiment in a field trial where the roof slopes are fixed. It is also very difficult to use hot water cylinders of various capacities as these cylinders are incorporated in the basic plumbing of an occupied house. However, some small alterations to the system, as part of the tuning, may be included. The pump speed may be varied to test for maximum efficiency for the actual operating conditions. It might even be possible to alter the position of the temperature transducers operating the control unit and hence vary the volume of stored hot water. Additionally there may be some objectives of monitoring which can only be met in a field trial, for example the determination of water usage patterns in dwellings can hardly be carried out in a laboratory.

Evaluation mode

Monitoring systems can be used in two major modes of evaluation of solar systems as follows:

a) Formative evaluation – this mode is used to acquire information about the operation of the system basically to discover any malfunction. For example if the temperature differential in the control unit is set incorrectly, it is possible for the pump to remain on when the temperature of the water in the cylinder is higher than the temperature in the solar panel – hence re-radiating energy back from whence it came. This mode of evaluation is also useful for tuning the system requiring major or minor alterations which generally will be carried out under laboratory conditions.

b) Summative evaluation – this mode is mainly concerned with the determination of installed solar system performance. After the best practical solar system has been designed based on the available information obtained during the formative evaluation, and installed and tested, then monitoring is limited to the summative evaluation.

All monitoring systems irrespective of mode must have a minimum facility for tuning but the capability to evaluate the effects of major system alterations belong to the laboratories and not to the field experiments.

Monitoring objectives

A conscious attempt was made to implement the philosophy in the definition of the objectives and the design of the monitoring system. Three main objectives apply to this project:

- 1) Estimation of the useful contribution made by the solar systems to the hot water usage by the tenants in each of the houses.
- 2) Water usage pattern to be defined for each house.
- 3) Raw data to be collected for further analysis.

It is assumed that certain other objectives such as estimation of systems efficiency, tuning for best efficiency without altering the design of the solar systems and the development of a crude profile of the systems will also have been met.

Monitoring system design

In order to meet the first objective, four heat flows need to be evaluated

- i) From the solar panel to the storage cylinder
- ii) The fossil fuel contribution
- iii) The actual heat drawn off
- iv) The solar energy incident on the collectors

The third quantity is required to determine the efficiency of the system. If there were no heat losses then the first two quantities together should equal the third. In practice however, they are very much greater due to various losses. The first quantity is estimated by measuring the flow and return temperatures (T_1 and T_2) and the mass flow of water (F_1) as shown on Diagram 3. The quantity of heat delivered by the collector at the cylinder is then estimated from these three quantities. These measurements do not relate to the insolation or the quantity of heat delivered by the collector to the pipe-work. These losses and those associated with the collector have to be allocated to the solar system.

The domestic hot water system may be defined as including the hot water cylinder and the cylinder losses are included in this system whether they are as a result of solar or electrical energy inputs. The estimates of losses in the solar system are of interest but are not necessary for meeting objective 1). Measurement of the supply voltage and on and off time of the electric immersion heater gives an estimate of the fossil fuel contribution. Meeting objective 1) is completed by measuring temperatures T_3 , T_4 and flow F_2 using the same principles as for the first heat-metering.

Additionally it is useful to estimate the solar energy incident on the panel as well as the windspeed, iv). Two solarimeters, one in the horizontal plane and the other in the plane of the collectors are used to measure the insolation whilst windspeed is measured by a cup anemometer. The ambient temperature is measured by a properly shaded platinum resistance thermometer.

Hot water usage patterns

Estimates of the hot water draw-offs give a crude indication of the usage pattern but further transducers were installed in three houses to obtain more detailed information. To meet this objective estimates were required for the quantity and temperature of water flow through each tap in the house. This data can be used to calculate the pattern of water usage for each bath and other domestic uses and hence meet objective 2).

Objective 3) is totally open ended and enough data can never be collected for all possible further analysis. The approach is to collect as much raw data as possible while the first two objectives are being met and recorded on to a dedicated storage device. The data processing to meet the first two objectives can be carried out, in theory, on line. This procedure can save recording large quantities of data, however it is useful to analyse the

data as the collection proceeds in order to check actual performance, any malfunctions and loss of data. In practice this was achieved by interrupting the logging for some 20 seconds at midnight and hence produce a daily summary.

The logging system

A processor controlled logging system is used. It has a four wire facility to read platinum resistance thermometers and solarimeters, debounced counter cards to read flowmeters and the anemometer, and status switches to read time on and off of the electric immersion heaters.

Logging is conditional i.e. logging is carried out only when there is a change of state. The flowmeters are scanned regularly. As soon as a flowmeter registers a reading, the scanning for the associated thermometers is started and readings recorded. This continues as long as the flowmeter is running. For the raw data collection the readings are averaged over short periods, thus reducing the data considerably.

The actual equipment used is given below:

- | | | | |
|---------------------------------------|--|---------------------------------|---|
| (1) Platinum Resistance Thermometers: | Platfilm
Rosemount Engineering Co Ltd
Bognor Regis | (6) Processor
(Alpha LS1 2): | Computer Automation |
| (2) Flowmeters: | Brunata
Audit Instruments
Dorking | (7) Teletype | Data Dynamics ASR 390 |
| (3) Solarimeters: | Kipp and Zonen CM5
Edware | (8) Floppy Disc Unit: | Computer Automation |
| (4) Anemometer: | Cup Type
Vector Instruments Ltd
Rhyl | (9) Magnetic Cartridge: | Perex perfile 6041 |
| (5) Logging Equipment: | Micro Consultants Ltd
Caterham | (10) Temperature Transducers: | Thick film PRT
'Thermafilm'
Matthey Printed Products Ltd
Burslem |

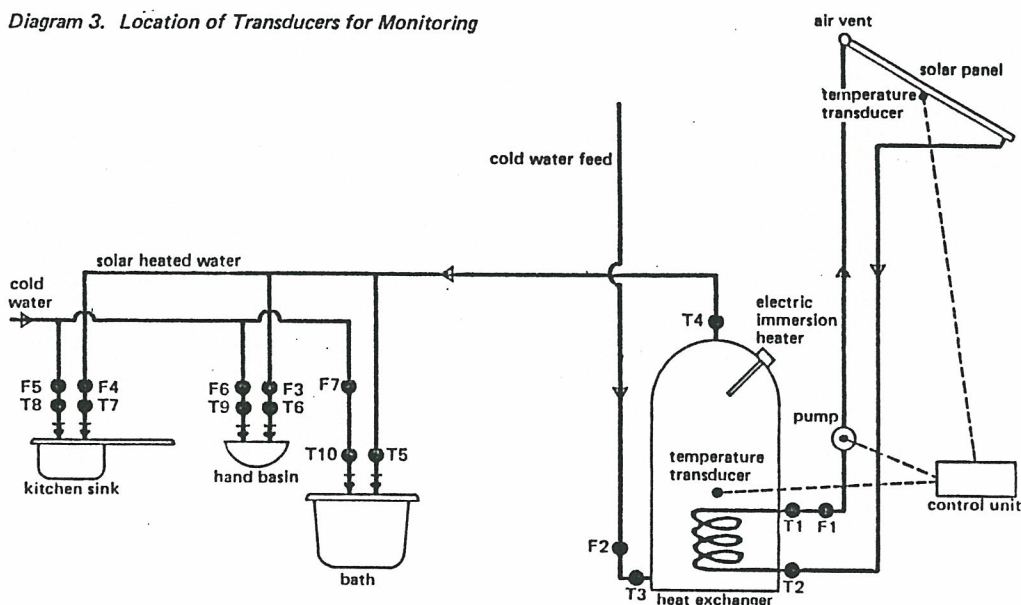
The equipment

A low powered processor controlled logging system is used to control the conditional scanning and to process and record the results. The logger has the facility to accept analogue signals from thick film resistance thermometers as well as to accept pulses for the flow meters by using counter cards. The peripherals include a floppy disc unit, a magnetic cartridge unit, a VDU for local control of the system and a teletype in the offices of the SLC R & D Group connected by telephone line to interrogate the system remotely. The transducers are connected by indoor, twisted pair telephone multicore cables to the equipment installed in the demonstration house (No. 70). The cables from the transducers are first taken up to the lofts of each of the houses, then across and dropped down into No. 70. There are no junction boxes en route.

Monitoring variations

Two solar panels of total area 10m² are installed on the roof of No. 70 to assess the extra contribution from the additional panel as compared with the single 5m² panel.

Diagram 3. Location of Transducers for Monitoring



Results

The results of monitoring of the solar pre-heat domestic hot water systems installed in twelve of the houses at the Whateley Road re-habilitation project are summarized in Figures A to C for the period April–November 1981.

The design of the monitoring system enabled data to be analysed to provide the following information concerning the performance of each system.

- Daily average insolation/system (kWh)
- Daily average hot water usage (litres @ 50°C)
- Solar energy supplied to solar store (kWh)
- Electrical energy supplied (kWh)
- Total energy supplied (kWh)
- Total energy used (kWh)
- Solar fraction (%)
- Solar system efficiency (%)
- Total system efficiency (%)

The daily average insolation is shown on each of figures A to C and was used to determine the solar system efficiency (Figure C). Measurements of the solar energy supplied to the solar store (Figure B) and the supplementary electrical energy supplied enabled the percentage solar contribution to be calculated (Figure A).

The daily average hot water usage varied between 192 in July and November and 209 litres in September at temperatures between 48 and 52°C.

The average percentage solar contribution ranged from 40% in April through 64% in August down to 15% in November with a similar pattern for the solar contribution to the solar store (April 4.6 kWh/day, June 6.6 kWh/day, November 1.5 kWh/day).

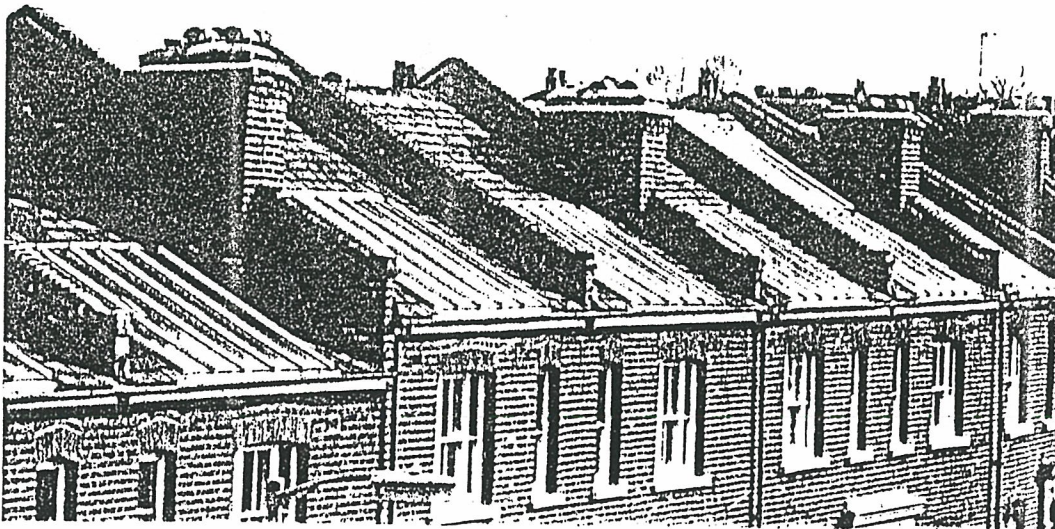
The average solar system efficiency showed a much lower variation between 29 and 40% during the period tending to confirm computer predicted efficiencies.

It is important to recognise the wide variation between the maxima and minima for each parameter when individual systems are considered. This shows that the usage patterns have a significant effect on the actual and percentage solar contribution as well as the solar system efficiency. The solar contribution to individual houses in July ranged from as low as 22% up to 93% with the solar contribution to the solar store in June varying between 3.2 kWh/day to 8.5 kWh/day. A maximum solar system efficiency of 52% was achieved in one house in August whilst the minimum of 11% occurred in another in July.

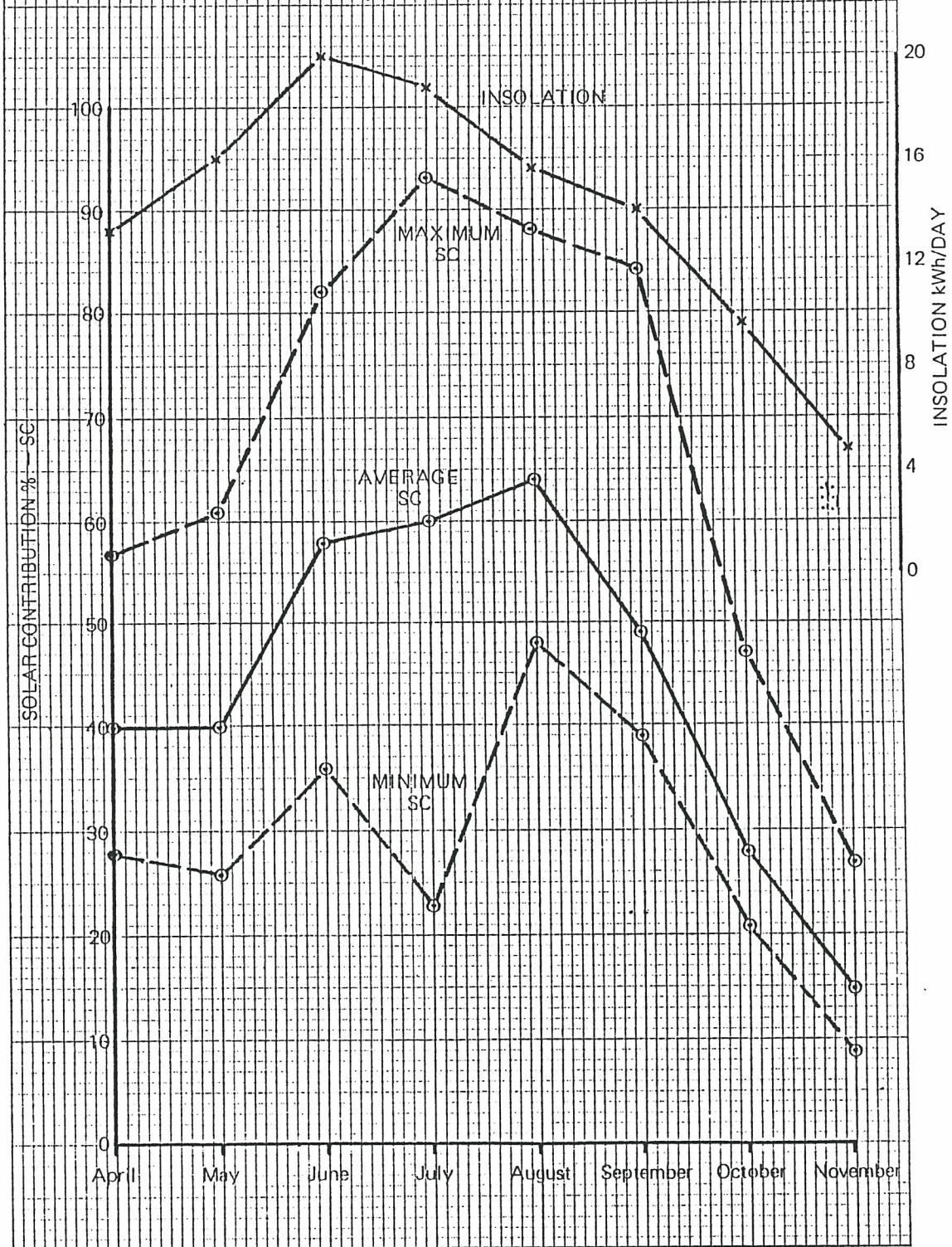
Full details of the performance data and results are contained in the official report prepared by the South London Consortium Energy Group under ETSU Contract No E/SA/CON/1035/174/024.

Although the summarised average results tend to confirm the predictions for similar pre-heat systems, the variations between individual systems show the difficulties in using single installations with normal occupancy for monitoring purposes.

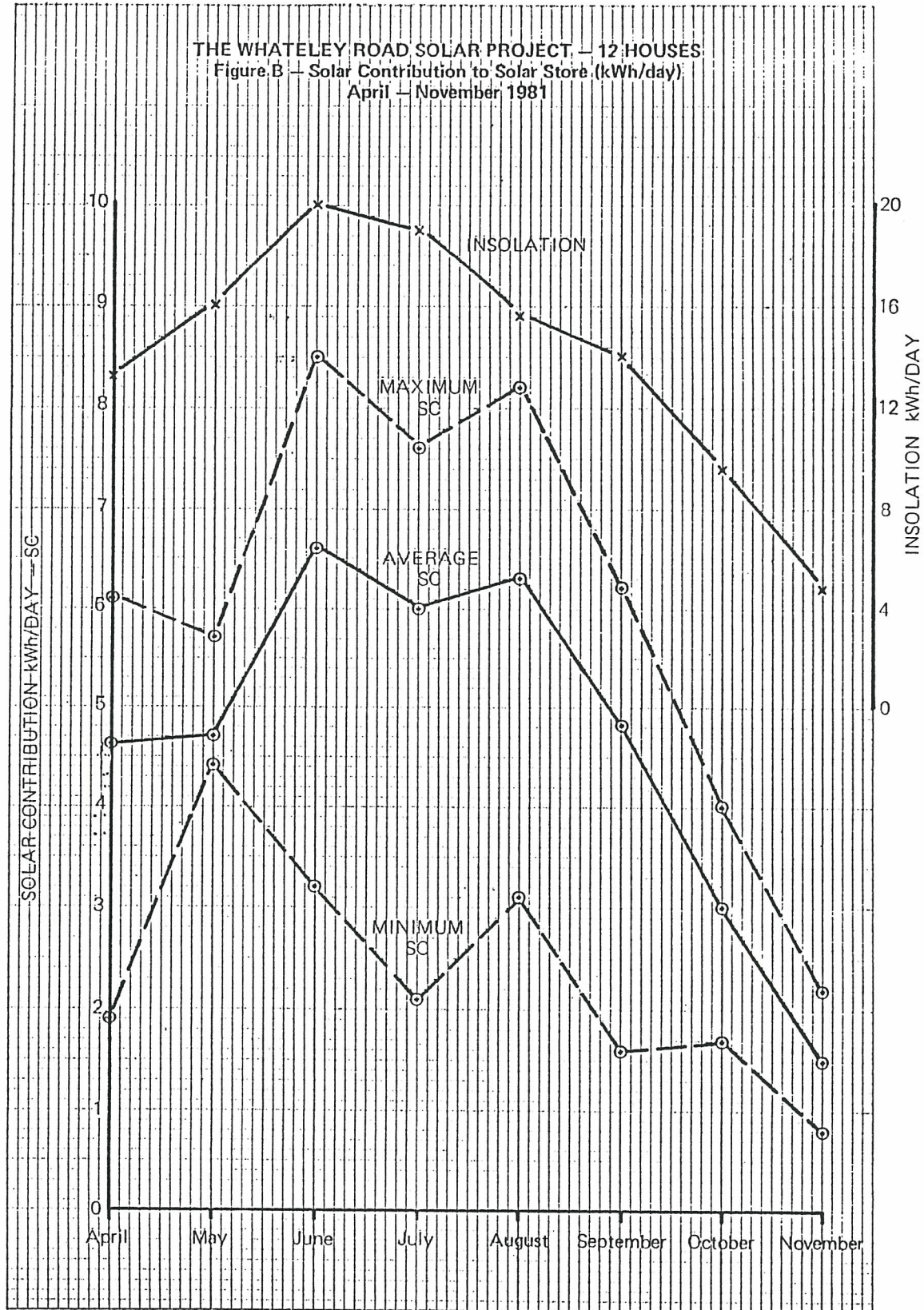
Roof top view of installations showing integration into existing slate roofs.



THE WHATELEY ROAD SOLAR PROJECT - 12 HOUSES
 Figure A - Solar Contribution (%)
 April - November 1981

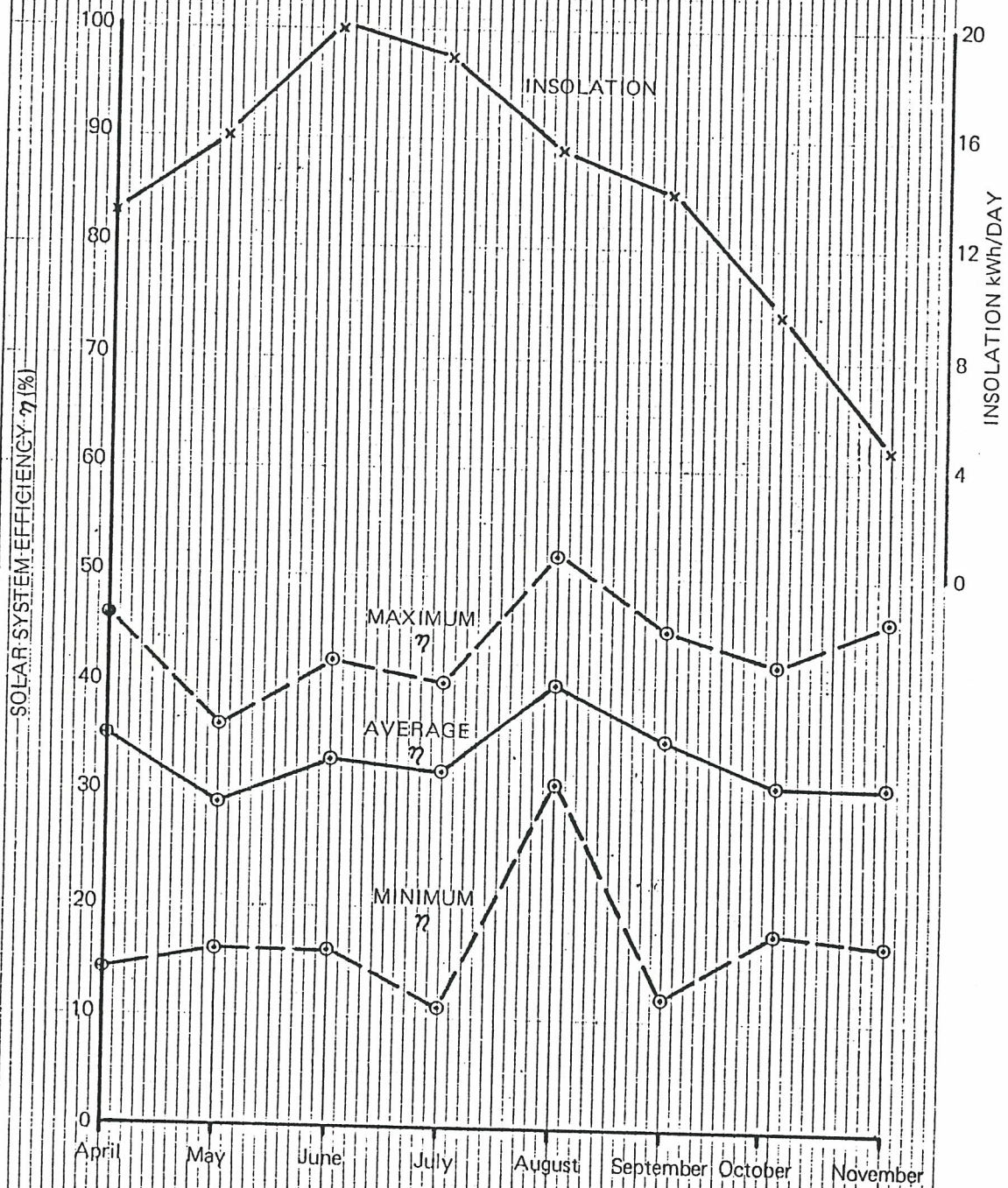


THE WHATELEY ROAD SOLAR PROJECT. — 12 HOUSES
 Figure B — Solar Contribution to Solar Store (kWh/day)
 April — November 1981



THE WHATELEY ROAD SOLAR PROJECT - 12 HOUSES

Figure C - Solar System Efficiency η
April - November 1981



Three Tap System

One of the Whateley Road houses incorporates a three tap, two cylinder system as described previously and shown in diagram 2. The system is designed to separate the high and low grade hot water usage whereas the single cylinder two tap systems provide basically a single source of solar pre-heated water up graded as necessary by an electric immersion heater as shown in diagram 1.

The third tap provides firstly a direct draw-off of solar heated water when it is sufficiently hot and secondly "cold" water instead of mains water to reduce the temperature of the hot water from the auxiliary store, if it is too hot. Although the system promises a reduction in fossil fuel consumption (see results) it is very sensitive to the attitudes and usage patterns of the users.

Initial results

It was anticipated that the user would develop sufficient understanding of the system to make efficient use of the third tap. Hence an initial check on hot water consumption was carried out during a 9 day period in May 1981 prior to a discussion with the householder (see Table A - Column 1).

4.9kWh of energy was drawn from the third tap as compared with the total energy use of 88.4 kWh for hot water of which 47.3kWh was the combined solar contribution.

An informal chat with the user family following the initial test resulted in a higher proportion of usage of hot water through the third tap. Table A — Column 2 gives the figures for an eight day period in June/July 1981. The amount of water drawn from the third tap per day more than doubled and the average temperature rose from 30.9°C to 38.0°C due to extra insolation in this period. The combined effect of these two factors resulted in an increase from 0.54 kWh to 1.49 kWh used as daily average through the third tap. The improvement is 26% over a conventional system.

Table A Three tap system hot water usage

	1	2
a) Auxiliary energy supplied (kWh) (immersion heater)	41.1	26.9
b) Solar contribution—auxiliary cylinder (kWh)	42.4	46.2
c) —third tap (kWh)	4.9	11.9
d) Total energy supplied (a+b+c) (kWh)	88.4	85.0
e) % solar contribution without third tap ($\frac{b}{d}$)	48	54
f) % solar contribution with third tap ($\frac{b+c}{d}$)	54	68
g) % improvement due to third tap ($\frac{c}{b}$)	12	26

Additional Information

	1	2
Average insolation per day (5m ²) (kWh)	13.5	21.2
Insolation collected (average/day) (kWh)	5.2	7.2
Solar sytem efficiency (%)	38.5	34
Hot water through third tap (l/day)	29	48
at average temperature (°C)	30.9	38
Hot water through auxiliary cylinder (l/day)	147	116
at average temperature (°C)	50.4	49
Hot water usage (l/day)	176	164

The overall solar system efficiency dropped from 38.5 to 34% which, it is suspected, is due to the increased insolation and high collector operating temperature. The range of efficiencies between say 30 and 40% is similar to that predicted by other authorities.

Features

The main features of the three tap system may be summarised as follows:

1. Gives more flexibility of usage of solar heated water, and hence greater control to the user.
2. Improves the overall efficiency of the solar system thus improving the chance of making it cost effective.
3. Improves the solar energy awareness of the user, helping to improve the performance of the system further.
4. Uses low technology as compared with a system where an electronically controlled three-way valve allows the direct usage of solar heated water once a preset temperature in the solar system is reached. In any case the three tap system allows solar heated water to be drawn off at a lower temperature if the user so chooses.

Further Trials

Towards the end of 1981 three tap systems with about 4m² of collection area were being installed in six houses at Wingfield Street, London SE15. Additionally eighteen houses at Lawrie Park Road, London SE25 were to have similar systems within a further eighteen months. In both cases thermosyphon systems will be used as shown in diagrams 4 and 5, thus eliminating all high technology controls.

Monitoring of the systems at Wingfield Street is expected to start sometime in the spring of 1982 whereas the new houses at Lawrie Park Road are scheduled for completion by the end of 1982. These latter houses form part of a Demonstration Project which is jointly funded by the Department of Energy, the European Economic Community and the SLC Energy Group. The monitoring of the systems is expected to start early in 1983. These field trials are most appropriate to the three tap systems, as they are very sensitive to the use made of the third tap and hence the user attitude.

Diagram 4. Three Tap, Two Cylinder, Thermosyphon System

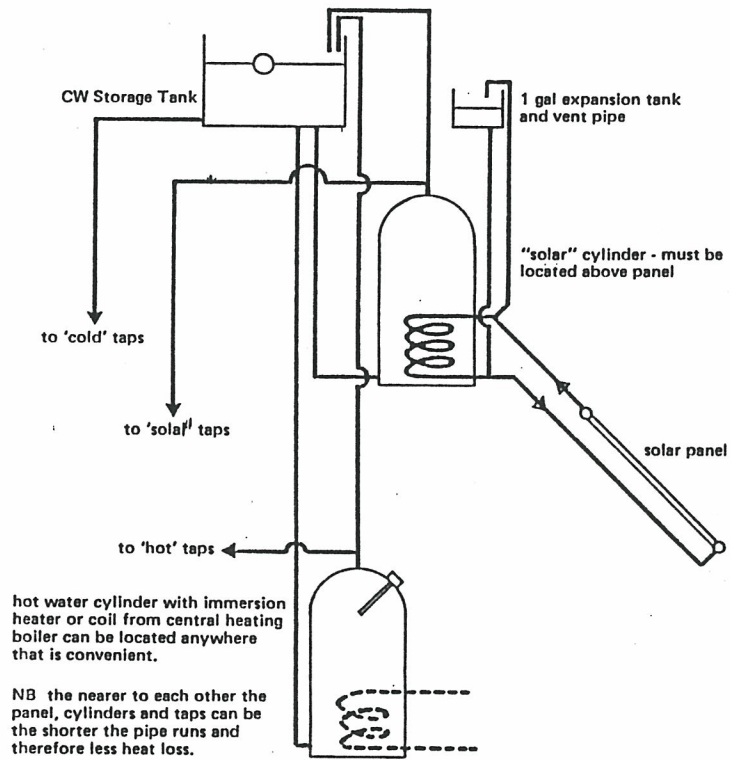
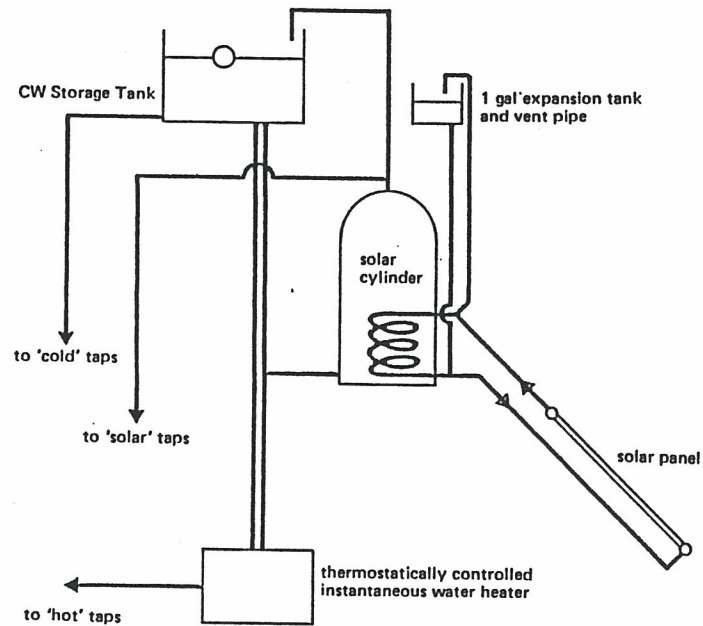


Diagram 5. Three Tap System with Instantaneous Water Heater



**Table 1 Physical and Fabrication Properties of
Phosphorus Deoxidised Non-arsenical Copper**

Physical Properties	
BS material designation	C106
Forms available (BS designation)	Plate, sheet, strip (BS 2870) Rods and Sections (BS 2874) Wire (BS 2873) Tube (BS 2871 Pt 1, 2 & 3)
Composition (%)	Cu (+ Ag) 99.85 min P 0.013 – 0.050
Density (20°C)	8.9 g/cm ³
Melting point	1080°C approx
Coefficient of thermal expansion (25 – 100°C)	16.8 x 10 ⁶ /K
Specific heat (20°C) (100°C)	386 J/kg K 393 J/kg K
Thermal conductivity (20°C)	0.293 – 0.364 x 10 ³ W/m K
Modulus of elasticity (20°C) annealed cold worked	117 GN/m ² 117 – 131 GN/m ²
Fabrication properties	
Annealing temperature range	250 – 650°C
Stress relieving temperature range	200 – 250°C
Hot working temperature range	750 – 950°C
Hot formability	Good
Cold formability	Excellent
Cold reduction between anneals	95%
Machinability rating (free cutting brass = 100)	20
Joining methods:	
Soldering	Excellent
Brazing	Excellent
Oxy-acetylene welding	Good
Carbon arc welding	Good
Gas shielded arc welding	Excellent
Coated metal arc welding	Not recommended
Resistance welding: spot & seam butt	Fair Good

Table 2 Typical Mechanical Properties of Phosphorus Deoxidised Non-arsenical Copper (C106)

BS Designation	Form	Temper	Tensile strength N/mm ²	0.1% proof stress N/mm ²	Vickers hardness HV	Shear strength N/mm ²	Product size to which properties relate
2870	Plate, sheet and strip	Annealed	210	45	50	150	over 6mm thick
		Hot rolled	230	90	65	150	0.15 to 12mm thick
		Cold worked	250	140	75	170	0.15 to 6mm thick
			260	220	85	170	0.15 to 3mm thick
			360	310	110	200	
2871	Tube	Annealed	230	80	50	150	100 to 200mm OD
		Cold drawn	260	150	80	170	up to 12mm wall
			310	260	100	190	12 to 100mm OD
			280	190	85	190	up to 5mm wall
			370	320	110	200	
2873	Wire	Annealed	220	—	—	150	over 1.3mm dia.
			230	—	—	150	over 1 to 1.3mm dia.
			250	—	—	170	over 0.5 to 1mm dia.
		Cold drawn	400	—	—	220	over 2.5mm dia.
			450	—	—	230	over 1.5 to 2.5mm dia.
			460	—	—	250	up to 1.5mm dia.
2874	Rod	Annealed	220	45	50	150	6 to 25mm dia.
		Cold worked	260	200	85	170	or up to 600mm ² area
			310	250	105	190	
2874	Sections extruded	Cold drawn	250	170	80	150	
			310	250	105	190	

(Note: The values shown are typical for the section sizes indicated, for design purposes the appropriate British Standard should be consulted.)

Table 3

Material	Thermal Conductivity	
	W cm/cm ² deg C	Relative Value (copper = 100)
High conductivity copper (C101)	3.94	100
Phosphorus deoxidised copper (C106)	3.35	85
Pure aluminium	2.30	58.5
Aluminium alloy	1.47	38
Mild steel	0.67	17
Austenitic stainless steel	0.17	4.3

Table 4 BRITISH STANDARDS SPECIFICATIONS

143 & 1256 :	1968	Malleable cast iron and cast copper alloy screwed pipe fittings for steam, air, water, gas and oil.
699	1972	Copper cylinders for domestic purposes.
864 Pt. 2 :	1971	Capillary and compression tube fittings of copper and copper alloy: metric units.
1306 :	1975	Copper and copper alloy pressure piping systems.
1394 Pt 2 :	1971	Domestic glandless pumps.
1566 Pt 1 and 2:	1972	Copper indirect cylinders for domestic purposes.
2870 :	1980	Rolled copper and copper alloys. Sheet, strip and foil.
2871 Pt. 1 :	1971	Copper tubes for water, gas and sanitation.
2873 :	1969	Copper and copper alloys. Wire.
3198 :	1960	Combination hot water storage units (copper) for domestic purposes.
5918 :	1980	Code of practice for solar heating systems for domestic hot water.
PD 6484	1979	Commentary on corrosion at bimetallic contacts and its alleviation.

At last I have reached the end of this book, but others will follow, extending your knowledge upon my knowledge, giving you the proof of my knowledge, how I think, and how I act upon that thinking. For its in our thinking where we differ.

Starship Ezekiel MK.V. Phase 2 will yield far more energy than the above solar project did, without the consideration of the S.E.G.... WHY ?

Its in the thinking of materials and how they come together, so that they fit THE LAWS OF THE SQUARES. That is why the output will be far greater.

In this issue we have covered much ground, and between these 2 books is a mass of wealth costing thousands of £'s before you count the cost of wages involved in these books. Yet these 2 books are but a grain of sand in relation to the total knowledge involved in my work.

So get geared up into the free or cheaper cleaner energy field and enjoy a better living.

Your's in the work.

Prof. J.R.R. Searl.
Consultant Engineer.

NOTE..the grand alinement took place on the 5.4.1988, it only contained Jupiter as the major source, people forecast strong earthquakes, but there were none of importance..but don't be fooled by this, the super alinement on the 5.5.2000 includes saturn, 2 big babies and not 1..we shall witness what happens.

POLLEN..the fertilising powder formed in the anthers of flowers, when released in the air, causes distress in many human beings.