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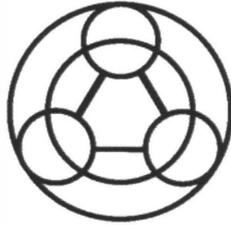
THE JOURNAL OF THE CENTRE FOR CROP CIRCLE STUDIES

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Golden Ball Hill, Nr. Alton Barnes, May 2005



CENTRE FOR CROP CIRCLE STUDIES

COUNCIL MEMBERS 2005 – 2006

Patron: Baroness Edmee di Pauli

President: Michael Green, FSA

Chairman: Ray Cox, 4 Lulworth Close, Halesowen B63 2UJ
Tel: 01384 566383; e-mail: raymond@cox269.freeseve.co.uk

Treasurer: Margaret Novakovic, 53 Beechdale Road, Brixton Hill, London SW2 2BE
Tel: 0208 6715417; e-mail: Margaret@mnovakovic.fsnet.co.uk

Secretary: Joyce Galley, Underhill Farm, Cudham, Kent TN14 7QH
Tel: 01959 573433; e-mail: je@galley24.freeseve.co.uk

Membership secretary: Andrew King, Kenberly, Victoria Gardens, Biggin Hill, Kent TN16 3DJ
Tel: 01959 571860; e-mail: a_sking@onetel.com

Research Coordinator: Michael Green, 40 Northside, Clapham Common, London SW4 0AA
Tel: 0207 6226884; e-mail: green.michael@amserve.net

Field Officer: Michael Newark, 12 Trevoze Avenue, Exhall, Coventry CV7 9PF
Tel: 02576 738179; e-mail: marknewark@tinyworld.co.uk

Editors of *The Circular*: Andrew King and Joyce Galley. (contacts as above)

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Front cover photograph Golden Ball Hill, Nr. Alton Barnes, May 2005— courtesy of **The Crop Circle Connector**.

THE CIRCULAR ISSUE 55

CONTENTS

- 4 Editorial
- 5 The Proposed Closure of the CCCS
- 11 C C C S Chairman's Report – April 2005
- 12 Message of the Crop Circle Makers - Michael Green
- 14 The Milk Hill Inscription - Michael Green
- 16 The Passage of Time - Lucy Pringle
- 29 An Intelligence at Work - George Bishop
- 35 Circling on - Margaret Novakovic
- 37 An Appreciation of the Crop Circle Phenomenon - John Haddington
- 38 Common Cause Common Sense - Carol Cochrane
- 40 2004: Thoughts and Experiences - William Betts
- 43 Towards a Reliable "Genuine Crop Circle" Base - Jonah Ohayv
- 46 BLT – their Origin, Achievements and a Critique - N Talbott, (A King)
- 50 Crop Circles Explained? - Bradley Bartholomew
- 54 The *Tao* of Crop Circles - Bradley Bartholomew
- 60 The Tunguska Crop Circle - Bradley Bartholomew
- 67 Analysis of the Locust Grove Crop Circle Formation - Dee Gragg
- 73 Analysis of the Miamisburg Crop Circle Formation - Dee Gragg.
- 79 Sibson: Part 2. The Metaphysical Parameters of the Phenomenon: An Interpretation - Michael Green
- 91 The Geophysics Associated with the Sibson Crop Circle Phenomenon: A Causative Model – Michael Green & Jim Lyons (reprinted from *The Circular*, #34, March 1999).
- 105 End Piece – Ray Cox
- 106 Book reviews; Cornelia

Editorial

This is the last Circular, at least in its present form, and it has fallen to me to act as its editor – John Sayer sadly having had to withdraw due to health problems.

May I begin by apologising for the long time subscribers have had to wait to receive this issue; I trust that its increased size and quality of its contents may be some compensation, and in part justify the delay.

Over the years various editors of *The Circular* have strived, limited by the material available, to provide a balance of articles and letters published, to satisfy the wide range of perspectives and opinions on the crop circle phenomenon held by the CCCS membership. Throughout the 15 or so years of its existence the CCCS and *The Circular* have presented its membership with, I believe, a fair, non-partisan overview of the phenomenon and related issues. Its ending will unfortunately come as a loss to those members who depend on hard copy for news and views on this most interesting subject.

Why is the CCCS being wound up, you may ask, in view of the continuing appearance of the phenomenon, now in increasing numbers across Europe? Both the Chairman and President have given their reasoning for this decision; declining membership, ready information on the internet, increased prevalence of hoaxing etc have all been cited and are relevant. Margaret Novakovic (see 'Circling on') may also have a point in believing that this particular activity has run its course, and like all dynamic systems, must either come to an end or change.

As someone who has kept a watchful eye on the phenomenon, and those involved with it, since 1988, I have been saddened to see the evident loss of its 'magic' over the years. Both the hoaxers, or self styled 'land artists' aided and abetted by the media, and an increasing band-waggonism by so-called croppies, have sapped much of what was once a mystery and replaced it with a dull repetitiveness – of pretty patterns, 'new-age' commercialism and of often tiresome adages repeated at summer gatherings. But this is not to say that the mystery, the 'genuine crop formation' has ceased, as numbers of most interesting and unusual events are continuing to be recorded both in Britain and across Europe and America.

As is generously appreciated in the articles in this issue, there is a much wider perspective to this phenomenon that we need to recognise and assimilate. Connections are being made with other paranormal or poorly understood events and phenomena, with faery folklore, ancient wisdom and alchemy. There is evidence of an interaction between the 'generating intelligence' and human consciousness, of paranormal events taking place inside man-made crop circles, a connection with light-forms and UFOs - so that it seems that a link between the physical and the metaphysical is in the process of being forged.

Is there a science, a human perception of reality hitherto inexplicable by conventional wisdom? One which embraces the roots of consciousness and is able to transcend the apparent 'laws of nature' by which we, as physical beings, are forcibly constrained? Some of this issue's articles, notably those by Brad Bartholomew, address this question in a most stimulating and informative manner. If there is any one purpose behind this series of events, then it must surely be to widen and refine our awareness – however this might be construed or form it may take: It is up to us to appreciate and utilise, for what we get out ultimately depends upon what we put in.

This leads, to my mind needless controversy between the proponents of the 'scientific approach' as against the 'metaphysical', which we again examine in this issue. Both approaches are valid ones. If science deals with the verification of 'objective' facts through repetition and experiment; metaphysics attaches validity to direct experience, even if this is unrepeatable, and acknowledges, indeed assumes, interaction with the observing consciousness. Symbolically the two approaches can be likened to the arms of a cross, or to the left or right brain. Thus scientific method/rationality is North-South, left brained; experience/feeling is East-West and right brained; each diametrically opposed to the other but still part of the same circle of existence. But like the squaring of the circle, the integration of the five-fold pentagram with the six-fold hexagram - concepts which have been demonstrated in numerous crop formations over the years - these two contradictory approaches need to be integrated satisfactorily in order that we can learn the implications of this union, and move on to an understanding of reality beyond that to which we are hitherto accustomed.

To many, the Sibson interpretations by Michael Green may seem somewhat abstruse and far-fetched to relate to common experience. However, one needs to understand that the writings ('channellings') of Alice Bailey in her 'Treatise of Cosmic Fire', on which much of MG's interpretations are based, relate only indirectly to the physical manifestation of reality, our tangible universe, but rather to its close antecedents, within the 'octave of creation', which *give rise* to what we experience with our five senses. The ancients seem to have been aware of these primordial fields or forces, and apparently made use of them for their own purposes, giving the different subtle influences identities as deities, spirits and devas, which often formed the basis for their worship.

Crop circles and their study can therefore form the basis for a wider understanding of reality, perhaps one which certain interest groups would prefer not to be widely known, but this has always been true where new ground is being broken and paradigms changed. It is now up to others to take up where the CCCS left off and, making use of what we have assimilated, continue with this exploration.

THE PROPOSED CLOSURE OF THE CCCS

Dear Members:

The CCCS was founded in April 1990 'in the belief that the crop circle phenomenon offered remarkable challenges to understanding which would only be met by drawing on a wide range of insights and expertise in many different fields. The principal objective of the CCCS was to encourage this interdisciplinary approach and to ensure that it was sustained by sound research and reliable information.' These were the founding principles of the organisation as set out by the then president, Professor Archie Roy, and incorporated in our constitution.

It would be fair to say that during the subsequent 15 years, and through various changes of fortune, the core group of the organisation as represented by the council and its research officers have faithfully endeavoured to follow these principles of rational, objective research, whether scientific or metaphysical. However, times change, both in terms of the phenomenon itself and the structure of the CCCS as a research body. Consequently, there is now a feeling amongst the present council members that we should not, indeed cannot, continue as at present constituted.

THE PHENOMENON

Crop circle formations have been reported worldwide from the 17th century onwards. Until serious international interest was aroused by the publication of *Circular Evidence* in 1989 there was an average in preceding years of about 10 formations a year in the U.K. The huge surge in the next decade of crop circle activity resulted annually in over 100 formations, with peaks of between 180 and 190 in 1992 and 1999 respectively in the U.K.

However, it is my personal opinion that these inflated figures were largely the result of hoaxing, which began in earnest in 1991. The reasons for hoaxing and the international propaganda that accompanied it cannot be covered in this brief note, which is concerned with their affect on the genuine, geophysical phenomenon and our organisation. Articles dealing with the hoaxing problem and its background are to be found in back numbers of the *Circular*. Attention is drawn in particular to 'Spirals and Rings' (*The Circular* 31, 1998) reprinted below.

Careful research in the early 90's established scientific and visual criteria for distinguishing between geophysical and man-made formations. The results of this research, which I presented to the CCCS conference in 2004, shows that already by 1991 50% of formations were man-made, with a steady rise each year until by 2004 hoaxes had achieved virtual 100% ascendancy. (see charts) Indeed for most of the 1990s the level of genuine formations remained much

the same as it had been in the late 1980s. I should reiterate that these are my personal findings based on research, but not necessarily shared by other investigators.

The founders of the CCCS in 1990 set up the organisation to study the genuine, geophysical phenomenon. It was not their intention to waste the organisation's time and resources on studying man-made creations, however competently made. To this extent therefore the primary *raison d'etre* for the continuance of the CCCS as a research body has ceased to exist.

MANAGEMENT AND MEMBERSHIP:

In the early years, thanks to the efforts of the late Ralph Noyes and colleagues on the CCCS council, the organisation achieved a membership level of over 1000 subscribers, the foundation of local branches countrywide and overseas, and with a research capacity efficiently organised by the late Montague Keen. Extensive international hoaxing propaganda from 1991 onwards quickly led to a rapid fall in membership levels until today it now stands at just over 100, almost exactly 10% of what it was 15 years ago.

In 1996 various factions within the CCCS attempted to close down the organisation in its existing form. Whatever the mixed motives for this action, it resulted in the breaking away of many former branches under dominant personalities to become, effectively, commercially-orientated New Age organisations. Rational research of the phenomenon by most of these groups was jettisoned in favour of an uncritical acceptance of the phenomenon whether genuine or manmade - an approach encouraged by those concerned with merchandising activities.

The CCCS was refounded in 1997, but found itself in a much weaker condition than formerly, with straightened finances, a falling membership and consequently a curtailed research capacity. Nevertheless old-style research programmes have continued to be carried out at both scientific and metaphysical levels, and published in *The Circular* and former *Cereologist* magazines.

Our difficult circumstances are epitomised by the management problems we face today. The current membership is, effectively, a subscribing membership for the magazine, with little or no interest in the management or research functions of the organisation. AGMs are not attended (except by council members) and the annual conferences are a shadow of what they were in the early 90s. Regional groups with some sort of affiliation to the central CCCS - Kent, London and the Midlands - are reasonably flourishing, but mostly with a non-CCCS membership.

This lack of interest in the work of the central body is reflected in the composition of the council. Most of the officers elected in 1997 are still in post. There has been some attempt to recruit new, younger members to council over the years, but for one reason or another, they have failed to stay. Existing council members are getting on in years and some are old. Most wish to be relieved of their administrative duties after years of devoted service. This is particularly true of one of the most onerous posts, that of editor of the Circular. For some time now John Sayer has suffered from poor health, which has now led to his resignation as editor.

CONCLUSION

For all the reasons set out above, I and certain other members of council, feel that the time has come when we must consider recommending the dissolution of the CCCS to the membership.

It is with considerable sadness that we have reached this conclusion, since we have all contributed much to the work of the organisation in terms of resources and time. However, there is one outstanding matter that has been put in hand before the Centre is dissolved. The proceedings of the Circular from the inception of the organisation have been copied onto a CD ROM, and copies have been lodged in the libraries of the Society for Psychical Research and the College of Psychic Studies. The value of this material for future investigators is that it records the history of the CCCS, provides a generally good coverage of the phenomenon and an account of the research activities (both scientific and metaphysical) of the organisation.

DISSOLUTION OF THE CENTRE

The Centre may be dissolved by a resolution passed by a two-thirds majority of those present and voting at a Special General Meeting convened for the purpose of which 21 days notice shall have been given to the members. Such resolution may give instructions for the disposal of any assets held by or in the name of the Centre, provided that if any property remains after the satisfaction of all debts and liabilities, such property shall not be paid to or be distributed among the members of the Centre but shall be given or transferred to such other institution or institutions having objects similar to some or all of the objects of the Centre, as the Centre may determine and if and in so far as effect cannot be given to this provision, then to some other Charitable purpose. (CCCS Constitution, para 12)

At a meeting of the Council on 9/4/2005 a motion was passed under 'other business' that in accordance with the provisions of the constitution, para 12, the membership is notified that a Special General Meeting is called to consider the proposed dissolution of the CCCS, and is to be held:

At: The Tournament Public House, 344-346 Old Brompton Road, Earls Court, London SW5 9JU (opp West Brompton tube station – District line)

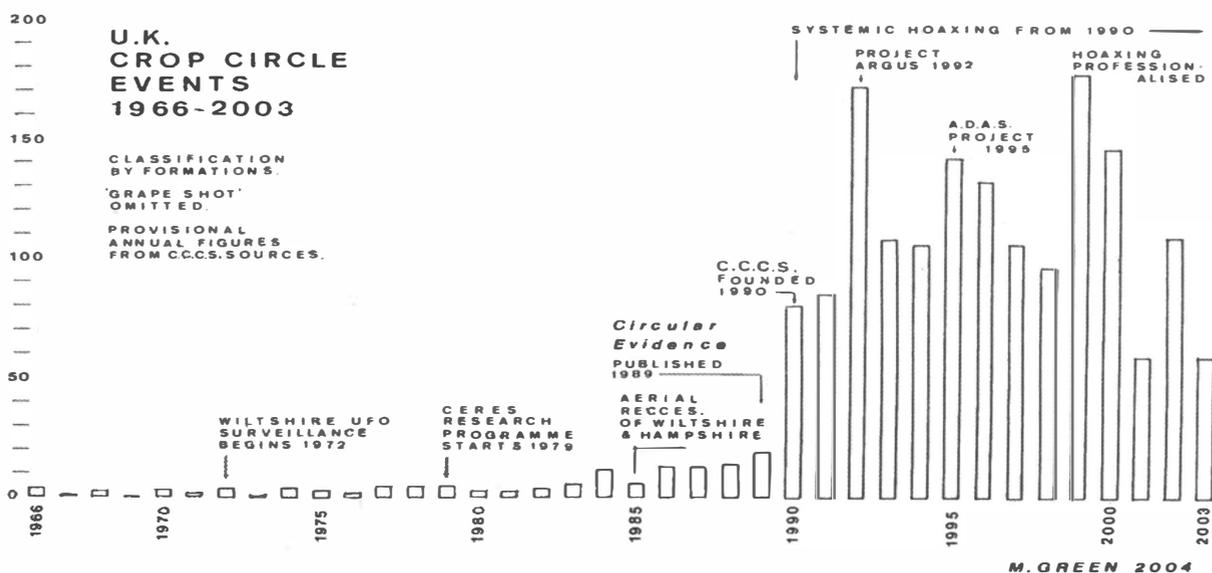
On: Saturday 3rd September

Time: 12.00 for Council Meeting, followed by the SGM – ending around 17.00 hrs

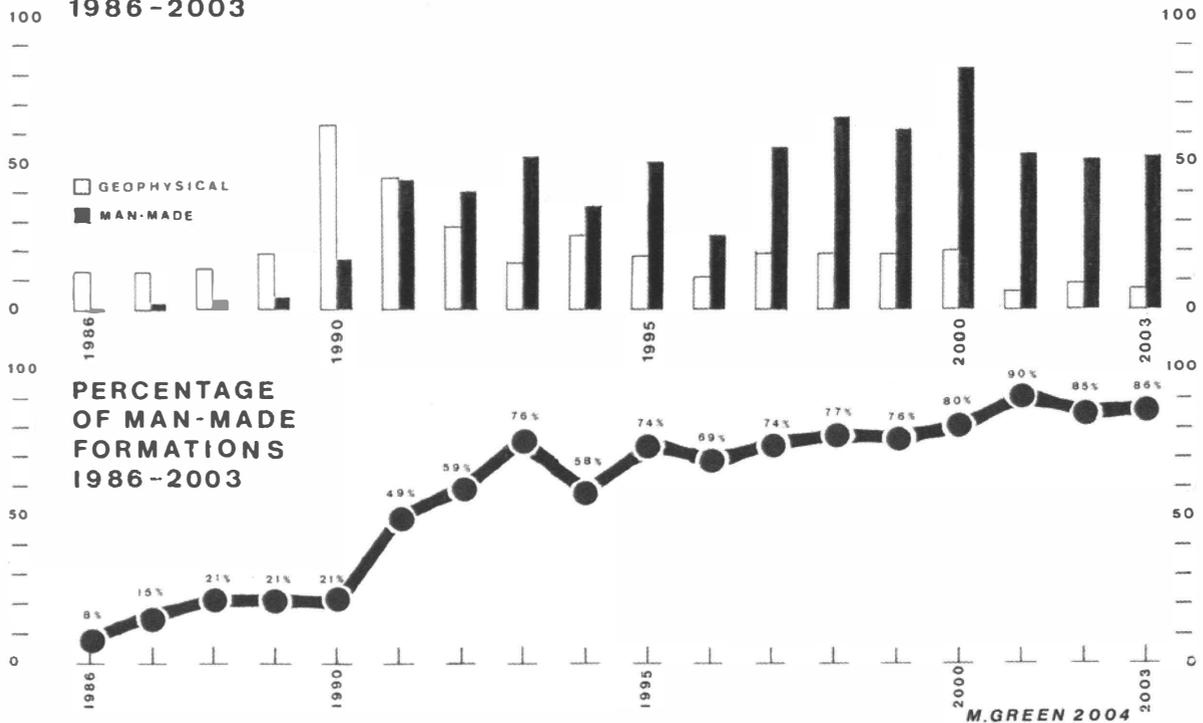
Yours sincerely,

Michael Green
President CCCS

(For further details please consult Margaret Novakovic)



ASSESSED U.K. GEOPHYSICAL & MAN-MADE CROP FORMATIONS 1986-2003



SPIRALS AND RINGS

By Michael Green

For those of us who are still concerned to clearly distinguish between man-made and geophysical formations the position would appear (as it has been over the last five years) depressingly intractable. Indeed there is a noisy faction within the croppie community that maintains that even to try and make this distinction is an irrelevance. It is not. The genuine article is perhaps the most important parapsychical phenomenon of this generation: a permanent metaphysical event capable of intelligent study on a world-wide scale, which shows clear evidence of nonhuman intelligence. Past metaphysicians of earlier generations would have given their eye teeth for the opportunity to study such a phenomenon. As a research organisation the CCCS has a constitutional obligation to do everything in its power to make the crucial distinction between the genuine article and artefacts produced by hoaxers.

Hard scientific evidence, not to mention careful fieldwork, from a small number of formations each year suggests that they are of geophysical origin and not hoaxes. Furthermore the long history of the phenomenon and its geographical spread indicates that this is, and continues to be, a genuine

phenomenon. However it is necessary to concede that such is the proficiency of the hoaxing fraternity today that it is difficult in many cases to be sure whether any particular formation is man-made or not. The fact of the matter is that only a tiny proportion of the 200 odd formations each year in this country are thoroughly examined in a scientific diagnostic fashion. ADAS after intensive field and laboratory work managed to examine less than 10% of the formations in 1995. Dr Levengood in his laboratory in Michigan covers even less and since 1995 has been dealing with only a very small number of British formations. The results of such laboratory work, which is necessarily slow and painstaking, takes months, sometimes years to be made public. Furthermore specialist research often using protocols which are rarely understood by a lay public (even when published, which is not always the case), is a highly subjective matter. Levengood works entirely on his own and the same is true of most other specialists. As regards fieldwork, there are very few individuals around with the necessary skills and expertise who have the opportunity to examine formations in a fresh condition. In most cases in

Wiltshire and Hampshire the physical structure of formations are trampled beyond any hope of useful ground research by enthusiastic croppies within hours of being reported on the Internet. Other forms of research are even more controversial. Dowsing for example may be central to a future understanding of the function of subtle energy fields that are the formative agency behind the mechanics of the phenomena. However as a technique it is highly subjective and individualistic. It is totally unacceptable to the scientific community and many leading crop circle investigators.

What has been needed for years is a simple diagnostic technique accessible to anyone with a pair of eyes and an open mind. Notwithstanding the value of scientific laboratory and field research, I believe that we have such a diagnostic technique, indeed it has been literally staring us in the face for years.

Ironically the clue came from the title of Jim Schnabel's book. *Round in Circles*, that clever expose of the croppie community by a confessed hoaxer and *agent provocateur*. Looking at the excellent photo of the 1997 Headbourne Worthy formation on the cover of the Sussex Circular for July 1997, it struck me forcibly that the structure of the circles was quite different from those of formations which had occurred in the years before 1990. The early formations are characterised by a spiral whorl form whereas the Headbourne Worthy formation, and many others of recent years show a structure of neat uniform rings, rather like tree rings.

The CCCS scientific theorist Jim Lyons, has kindly provided a description of the principle behind spiral crop flow, which is the characteristic feature of geophysical (i.e. non-manmade) crop formations.

'Work so far has indicated a strong relationship to the Earth's geomagnetic field, particularly as regards columnar vortices (cf. Weak stationary tornadoes) that display both microwave and ionised EM fields. The bifurcations of these vortices generating nested toroidal fields are believed to be responsible for the patterns created. Formation shapes together with crop flow can be predicted to a limited event using this model. The underlying energy source is believed to be related to vacuum state energy which is currently under intense study in several branches of physics. This energy is seriously being suggested as that involved in the effects of sonoluminescence, remarkably similar to the luminosity effects seen near crop formations and indeed earthquakes.

If a wave flows around the torus; once in a poloidal plane to once in a toroidal plane, this is termed a winding ratio of one. For a Torus having no centre hole, this gives a projected pattern on the ground, which is in fact a cardioid pattern, the main section of the Mandelbrot. In general, the combined poloidal and toroidal flows move at around 10 ft per second giving rise to a pressure wave of around 15 lbs per square inch. The plasma formed has around 10

15 electrons per cubic metre at a temperature of 2000° C for a fraction of a second' (Figs. 1 and 2).

The bifurcation processes of vortex breakdown where toroids form within toroids give rise to a large variation in possible patterns. The latest work on generalised toroids termed scroll waves suggests that even more complex patterns can be generated from a very simple code sequence of bifurcations. These ideas indicate that the potential for pattern creation is way beyond that we have seen so far.

Early crop circle investigators were well aware of this effect even if they were ignorant of the laws of physics that lay behind it. The pattern of the crop is clearly recorded for example at the formation at Headbourne Worthy in 1986 by Terence Meaden (*The Crop Circle Effect and its Mysteries*. 1989 Fig. 7). In 1997 notable crop formations whose spiral form is clearly evident from the air photos are those at Lane End Down and Upham, both in Hampshire.

The first generation of hoaxers, Doug n' Dave and the Wessex Sceptics class of 1992 were equally aware of the importance of the spiral form as an indicator of genuineness. Indeed Stanley Morcom, one of the CCCS's most scrupulous investigators, was interrogated several times by the hoaxers to discover exactly how formations were made. Small 'grapeshots' were easy enough using a spiral layout as Jim Schnabel demonstrated at Montague Keen's farm in July 1993. *'Schnabel then offered to demonstrate the art of making grapeshot....Schnabel did two remarkable demonstrations and then it was my turn. The result - an exquisite Pringle Peak (photographs to prove it) though it made me feel extremely dizzy'* (Lucy Pringle, 'The Bluffer's Bluff is Called'; *The Circular*, Issue 14) Hoaxers usually have the central part of a large man-made formation spiralled before reverting to a series of rings.

So where do the rings originate? In 1992 Ken Brown, one of the most assiduous investigators of man-made formations drew attention to the presence of concentric rings as the hallmark of hoaxed circles. In the case of the Bishops Canning ringed circle of 1990 each ring was characterised by regular push-marks from the use of a board to flatten the crop, giving a radial appearance to the layout of the formation. (Brown K 'The Fake that Grew a Ring'; *The Cerealogue*, 1992 no. 7). Boards which were very much the trade-mark of the Doug 'n Dave era were replaced after the 1992 Hoaxing Competition by the use of light plastic garden rollers which became *de rigueur* for the Schnabel generation of hoaxers. Indeed he used one at Montague Keen's meeting in 1993, and Adrian Dexter is shown sporting a roller in connection with the creation of the Soil Association crop logo in 1995 (*The Cerealogue* No. 15.). The fact of the matter was that the board and string method had become too cumbersome, whereas a roller was quick and efficient in

poor light and when time was at a premium (fig. 3).

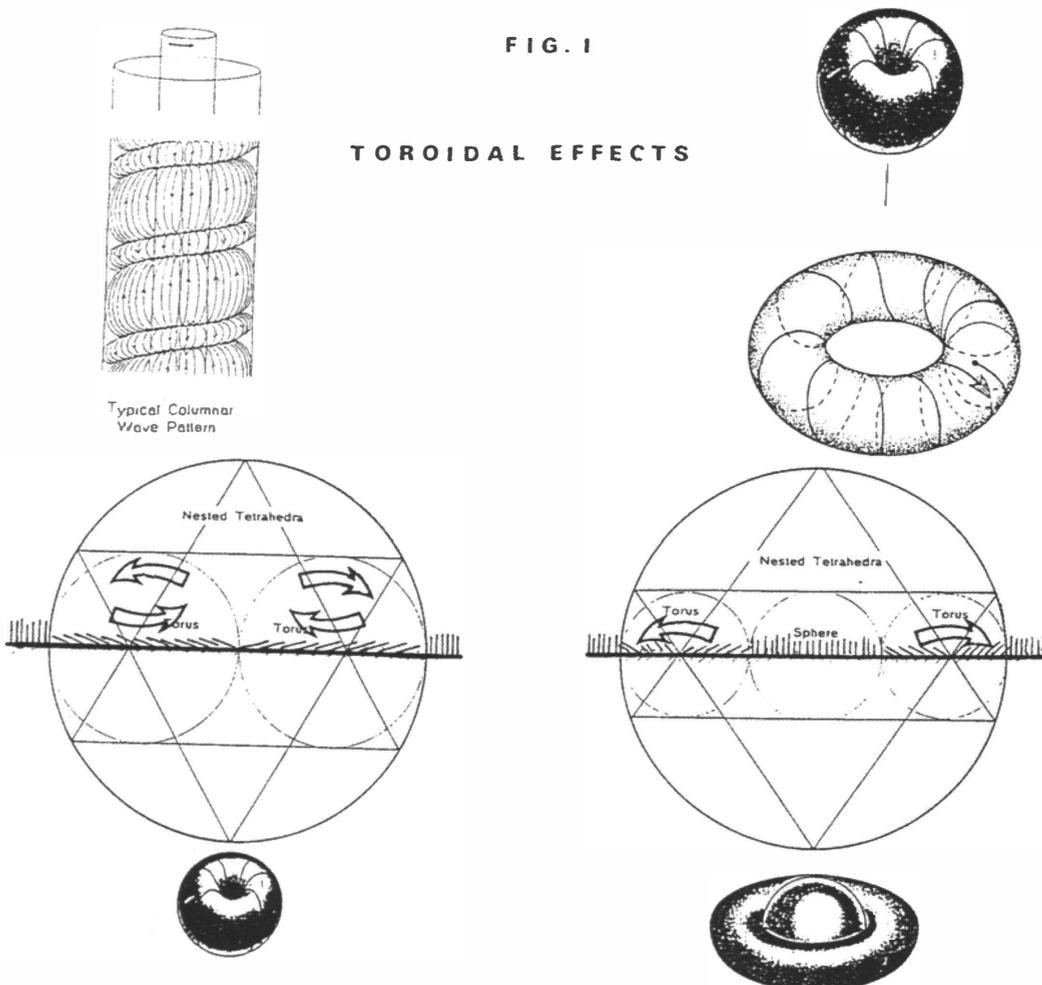
The Soil Association logo shows off the level of proficiency that had been achieved in 1995 by the leading hoaxers, and they have improved their techniques since then. The tell-tail marks of rollers have been carefully smoothed out in this formation to give an even flow of crop. However such attention to detail is only really possible in daylight conditions and working at a leisurely pace, as was the case here.

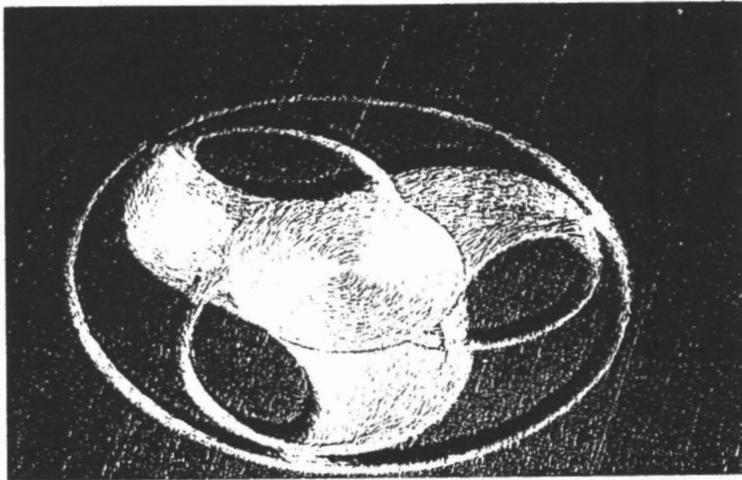
However, although the use of a roller is not particularly noticeable on the ground, from the air the paths are all too evident whether as concentric rings or straight paths. It should be emphasised that the geophysical formations do not show such features, so evident for example in the 'Circular Saw' formation at Barbury Castle or the 'Ring Quintuplet' at Headbourne Worthy in 1997. (The latter, incidentally being the only one of the season which

shows clear evidence of having been produced by a board or stalk-stomper)

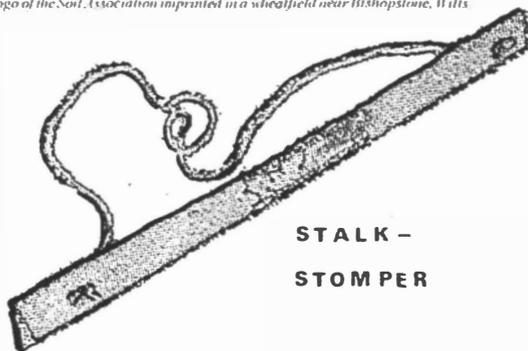
Where does this leave the 1997 formations in general terms? There were aerial photos of some 42 formations out of about 130 reported from the UK: i.e. about one third of the total (the smaller circles and formations away from Wiltshire and Hampshire are rarely photographed from the air.) Some 23% of formations are shown on the photos as having spirals of the type characteristic of the geophysical formations, 40% are ringed and 37% are indecipherable. It may be significant that a high proportion of the ringed formations appear over weekends!

Clearly we need to look back carefully over all the earlier formations and above all, to try in future to improve the quality and coverage of aerial photos of formations.





The logo of the Soil Association imprinted in a wheatfield near Bishopstone, Wiltshire



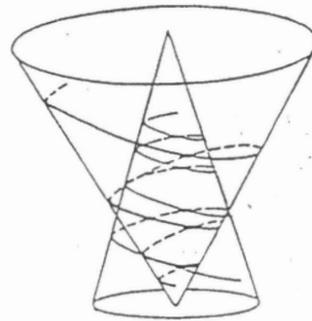
**STALK -
STOMPER**

HOAXING EQUIPMENT

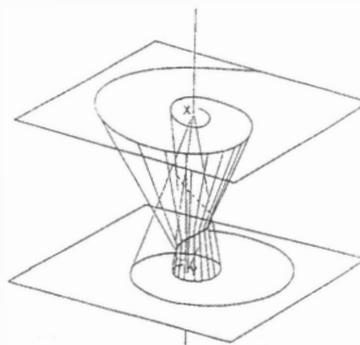
FIG. 3



**PLASTIC
GARDEN
ROLLER**



Interacting Vortices



Vortex Wave Interactions

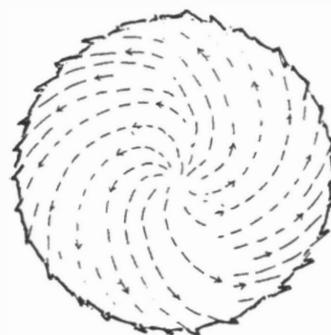


FIG. 2 POLOIDAL EFFECTS

CCCS CHAIRMAN'S REPORT APRIL 2005

This short report reflects a mainly steady but dormant year for CCCS.

The positive side was the conference in London, arranged by Margaret Novakovic and Michael Green, which was enjoyed by those present who heard a number of talks of interest and substance.

On the negative side was the ongoing lack of scientific research within CCCS, as such research has always been the main remit of the organisation. There are a number of pertinent reasons for this. One is the difficulty of understanding what actual science can now be undertaken in the fields (apart from member Lucy Pringle's work) after some years have passed, which has not been fulfilled already. This is why CCCS has been looking in recent years at a more metaphysical framework. The latter also includes dowsing and we again acknowledge Michael Newark's expertise with his activities and reports. Another reason is the fact that science - including pseudo-science - is being done outside CCCS, which does not have the number of respected scientific individuals it used to have in the active sphere, apart from such as Andrew King and Lucy Pringle. In addition to these problems is the perennial activity of the hoaxers as it is considered that they continue to play a significant role within the phenomenon. CCCS continues of course to accept that a genuine enigma does exist, though perhaps it is of smaller manifestation than it was once thought to be. A further inhibiting factor for science, and CCCS, is the prominent and successful use of the subject by the so-called celebratory and

New Age groups and individuals, who have tended to 'steal the show' by the use of the inevitable commercialism and other ways. (I would however in this respect certainly wish to pay tribute to Lucy Pringle whose invaluable scientific work has been much aided by her commercial ventures. Her reports for the magazine also have been timely). This is of course conducive to maintaining an atmosphere of mystery which so many desire, but it also hinders if not actually negates any study of the phenomenon by most mainstream scientists and other academics and academic bodies.

Our magazine *The Circular* continues to be the main source of communication to members and others (it is still sold in a number of shops) and the year has seen issues of considerable quality under the editorship of John Sayer.

I would like to thank Brian Corbett for his interest in keeping the website up to date, and so quickly when given information.

Also, all the members who have ensured that the membership totals have remained on a par with the previous year.

Ray Cox

(This piece was written before the decision to bring the CCCS to a close had been made and refers specifically to activities during 2004. – Ed.)



Bury Farm, Pegsdon, Herts 10 July 2004 (Photos: Andrew King)



Icknield Way, nr Pegsdon, Herts 3 May 2004

MESSAGE OF THE CROP CIRCLE MAKERS

Michael Green

Delving into links with our ancient past, Michael Green suggests what the non-human circle makers are actually up to.

OUR FIRST ENCOUNTER with a crop formation was on 24th June 1990. My wife and I had been attending a conference at Oxford organised by Dr Terence Meaden which purported to explain that the crop circle phenomenon was a natural weather effect produced under the lee of hills by warm air creating a plasma vortex effect. It was pointed out that several circles had already occurred in flat fenlands, and when Busty Taylor, the aerial photographer, showed the complex crop formations which had appeared in England that year it was clear that the plasma vortex theory was “busted”!

As we drove down the motorway south from Oxford, late for a family engagement, Christine said after a thoughtful silence, “I would like to find our own crop formation so we can make up our own minds.” Literally, as she spoke, a vast formation appeared on the other side of the dual carriageway – 42ft long - in the centre of a cornfield sparkling in the morning sun. It was a critical moment. Should we pretend that this hadn’t happened to us and drive on? We did a U-turn on the A34 and crawled through the barbed wire fence in our best clothes.

The crop inside the formation had been carefully swirled and bent over to the ground, not damaging the stalks, and in the centre of the two great circles it was spun and woven into a complex carpet. It was brand new; the ground was still hot and the electromagnetic charge which hung over the formation made one’s skin prickle. Two big circles were connected by a narrow track on either side of which were two boxes. Across the highest circle were a pair of rings, like halos. We were stunned. Christine went to the haloed circle and in a meditational state communicated with the Agency behind the phenomenon. I struggled to record the physical structure of the formation.

This beautiful but strange experience at Litchfield in Hampshire in 1990 brings into sharp focus some of the more interesting but disturbing features of this extraordinary phenomenon. First, it is real. Unlike almost any other paranormal occurrence, it has a physical existence, which can be experienced and recorded before the crop is cut at the end of the growing season; secondly it is a genuinely parapsychical phenomenon. It is these features about the phenomenon that make the political and religious establishments

of western society profoundly uneasy, when they think about it at all. Although literally thousands of formations have occurred world-wide in the last ten years, very little is reported in the media, and the scientific and metaphysical investigators are subjected to continual ridicule and harassment.

The phenomenon is not a new one. English scientists back in the late 17th Century were examining and reporting on quite complex crop formations around Oxford. During the next two hundred years there are spasmodic reports of formations in southern England. In British farming communities there are many accounts this century of this strange phenomenon, which first attracted the attention of the press in the sixties and seventies when it was attributed, to the activities of flying saucers. In the eighties the phenomenon became more complex, with simple circles being replaced by elaborate groupings of circles and other shapes. It was also recognised as having an international distribution. Formations are now reported across Northern Europe, Russia, in the paddy fields of Japan and the grain prairies of Canada and the USA. In the southern hemisphere, some of the earliest recorded incidences were in Australia and New Zealand.

In 1990 the international Centre for Crop Circle Studies was founded by Ralph Noyes and myself with an open remit to study the phenomenon using scientific method and publish the results. Over the years various tests and experiments have been carried out to try and establish the *mechanics* of the circle making force. Recently the brilliant research work of our (former – *Ed*) scientific advisor, Jim Lyons has demonstrated that the genesis of this force is related to vacuum state energy, which is beginning to be recognised in advanced physics as having consciousness.

However, it was the evidence for *intelligence* rather than mere consciousness that was troubling the scientists and researchers investigating the phenomenon. Increasingly, it looked as if we were in the communication business with beings from other levels of reality, namely the Intelligences of the non-human agencies of this planet and those outside our system.

To our growing excitement in 1990 and 1991 it became clear that now the Crop Circle Makers had our attention; we were

being treated to a crash course in the basic principles of the Timeless Wisdom: namely, the origins of the cosmos, the structure of God, the agencies of Deity, the nature of Mankind and the relationship between the two. Each educational stage, starting with simple basic truths, has been beautifully and economically elaborated. Conceptual elements have been introduced and then assembled in mandalic form.

The subject matter of these mandalas is fascinating. Careful reference has been made to every stage of human development and knowledge. The shamanistic concepts of primitive man appeared early on and have been followed by reference to classical Hermetic beliefs (the Barbury Castle formation in 1991), and even the most advanced scientific thinking of today (the Mandelbrot formation of 1991) and mathematical concepts, notably the hexagonal fractals – the Koch snowflakes - at Silbury Hill and Milk Hill. It is notable that specific symbolism related to the belief systems of today, Christianity Islam, Judaism and Buddhism, for example, has been largely passed over in favour of older, more universal systems, the Indo-Aryan, Vedic and Semitic concepts of Asia and Europe, and the proto-Taoist symbolism of the Far East.

When challenged to communicate in *writing*, the Crop Circle Makers obligingly produced the Milk Hill. inscription of

1991. They used a profoundly ancient semi-syllabic system using square letter forms of hieratic Sensa, said to have been the once universal language of hierophants. The inscription written from right to left consisted of two words which came in answer to the request “Talk to us”, trampled out in the corn. by Erik Beckjord. The serifs of the letters flowed away into the crop, making them look like letters of fire. The answer, to my understanding, was clear and unambiguous:

“THE CREATOR, WISE AND LOVING”

The communication process has not stopped at inscriptional and mandalic symbolism: several groups and individuals have been communicating directly with the Crop Circle Makers (nonhuman) and the Agencies behind them. The overwhelming message of this communication process is that this is a time of crisis for humanity and this planet. We are being urged as individuals to communicate directly with our own Higher Consciousness, which is an aspect of deity. Our success in doing so is to be judged quite simply by the extent to which we treat those around us, humanity and the beings of the natural world, with consideration and kindness. Given this basic attitude, the Crop Circle Makers then wish to pursue lines of activity in connection with the well-being of our planet. It is my personal belief that what is being spelt out is nothing less than the nature of the New Spirituality for humankind in the 21st. Century.



CROP FORMATION AT
LITCHFIELD, HAMPSHIRE
24th JUNE 1990



PAINTED PEBBLE,
MAS D'AZIL, FRANCE
9000 B.C.



CAVE PAINTING
CIAOUE, SPAIN
6000 B.C.

H.J.M.G 1998

THE MILK HILL INSCRIPTION

Michael Green

It has never been enough for the hoaxing fraternity merely to confuse simple-minded croppies in Wessex by the steady production of man-made formations. Since their explicit aim has been to destroy all public credence in the phenomenon, they have found it necessary to impute as hoaxes, genuine, geophysical formations of the past, especially if they were perceived by investigators as being of some significance. The Milk Hill formation is such a case. This is a particularly important formation, the only one to use archaic writing in textual form, and an event which has been the subject of serious spiritual consideration, both by this writer and others.

Ten years after its appearance a rumour that it was really of man-made origin was carefully fed to certain leading investigators by the hoaxers. Some of the investigators in question were in any case uncomfortable with the metaphysical dimension of the phenomenon, and were anxious to grasp at any 'explanation' which would remove an awkward formation from any serious, further consideration.

The hoaxer's bright idea was that the formation was half of a line of writing making a rude remark about Terence Meaden. It didn't completely work as a message but was sufficiently plausible to give, no doubt, a lot of innocent merriment to a band of hoaxers in some Wiltshire pub at the time.

Unfortunately for the hoaxers they were working from one or two aerial photos of the formation which managed to be taken before it was rapidly destroyed by the farmer. The photos were of relatively poor quality, and critical details of the construction could not be seen. Fortunately, Kevin Constant and a friend managed to get into the formation on the 18th August 1991, and carried out a detailed, accurate survey which they passed on to me. It completely demolishes the hoaxers' case.

Quite apart from the inherently ridiculous notion that hoaxers would have created the upper half of an inscription only, there are some constructional details, which give the lie to a purported man-made origin. One of the most telling of these was the treatment of serifs at the top of the letters (see Fig 1 below). These were not visible on the aerial photos, but were observed on the ground to flow away to

the 'thickness of a finger' into the crop. Not only was such a refinement of detail wholly beyond the technical capacity of hoaxers, but the serifs were placed where the lower line of writing was supposed to be!

What we actually have here in the Milk Hill inscription is a genuine, geophysical formation of non-human origin, but showing evidence of intelligence and a desire to communicate. The inscription consists of square-letter glyphs made from right to left starting in each case at the bottom right-hand corner. The general effect is as if it was copied from an original inscription painted with a brush. It consists of two words separated by pairs of upright spacers with a 'determinative' symbol at each end of the inscription to give the general sense of its meaning. These determinatives, a simple ring shape are some of the oldest of all cultural symbols which represent both the sun, the cosmos and thus God. In March 2002 at a lecture to the London Group of the CCCS I set out a detailed interpretation of the script, based on work I had carried out and published eleven years previously. In parenthesis I should explain that it has nothing whatever to do with the late Gerald Hawkins' reading of the inscription as meaning 'oppono astos' (I oppose acts of craft and cunning) let alone Simon Burton's 'occului none' (I have hidden at present).

The letter forms are well known to archaeologists and metaphysicians. They belong to a class of syllabary known as Levantine-Iberian which developed independently of the Phoenician alphabetical system. It appears to be associated with an ancient Neolithic 'Cardial Ware' culture which emerged in the 9th-8th millennia B.C. in the Western Mediterranean. This culture was probably associated with the underwater cities found on sea mounts in the area of the Horseshoe Archipelago beyond the Straits of Gibraltar in the Atlantic. These settlements were drowned by rising sea levels at the end of the last Ice Age, and their destruction perhaps gave rise to Plato's ideas of the lost continent of Atlantis.

The Levantine-Iberian script lingered on in traditional cultures along the North African coastline to become the Tifeneh and Berber scripts. It also survived in prehistoric and protohistoric contexts in Spain, to be eventually incorporated into the Iberian Kabbalistic traditions, and

thence into mainstream medieval magic and alchemy. As the AIQ BEKER system of the 'Qabalah of the Nine Chambers' it was taken up by Hermetic adepts and is recognised in Theosophy as SENZAR, the secret, sacerdotal language of the spiritually initiated.

In fact Senzar, as defined above, has a relatively straight forward, semi-syllabic alphabet whose letters are mostly based on permutations of the square, and, thanks to its survival in traditional cultures, its sound values can now be deduced.

Returning to the enigmatic Milk Hill inscription we have two words which have to be read from right to left. Their general sense is already clear, regardless of whatever language they may originally have formed a part. They are the names of God, or more likely, the name of God and a defining epithet as was commonly used in the ancient world.

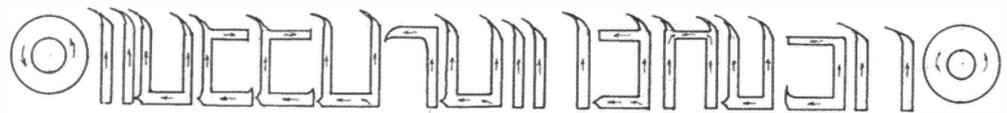
The first name reads PH.E.H.TH.I. The closest parallel is the name of that most ancient of Egyptian deities, Ptah, the

primeval Creator whose hieroglyphic inscriptions describe Him as being "the very great God, who came into being in the earliest time, father of fathers, Power of powers, father of beginnings, and creator..."

The second name is E.A.E.CH.-CH.E. Again the closest parallel is not Ancient Egypt, but the oldest civilization of all, Mesopotamia, where Ea-Enki was the God of Wisdom and lover of mankind, concerned with every aspect of human life.

Hence my transcription of the Milk Hill text is 'The Creator, Wise and Loving'. Far from being a hoax then, the Milk Hill inscription is arguably one of the most important, explicit, communications from the numinous levels of Ultimate Reality which the crop circle community has been privileged to receive in this age.

M.G. May 2005



AGRIGLYPH. MILK HILL.
STANTON ST. BERNARD
WILTSHIRE



MENS. M.KCR.G 18.8.91



E. CH.-CH. E.- A.- E. I. TH.- H. E. PH.

⇒ PHEHSTHI EAECHE

PTAH (PER-TAH)

ANCIENT EGYPTIAN
CREATOR GOD

EA (EH-AH)/ENKI (EHN'-KEE)

ANCIENT SUMERIAN GOD OF WISDOM
AND LOVER OF MANKIND

THE CREATOR, WISE AND LOVING

The Passage of Time

Lucy Pringle

As in the previous eleven years, I have continued with my investigations into the effects of geomagnetic and electromagnetic fields on living systems.

For new readers, this research is based mainly on the reports sent in by people who have visited circles or been in their vicinity either in the fields or during lectures. How can people be affected by seeing circles on a screen, you may ask? We know that certain shapes trigger off responses in the brain. It is known as 'Sign Stimulus' and has a similar effect as when people hear lovely music. The resonances from the music passing through the ear into the brain kindle emotions. Shapes can also trigger off this reaction or behavioural pattern without the observer having any conscious awareness of the process.

After a talk I gave recently in Truro, Cornwall, two people came up to me to tell me that they had been healed during my talk. One had felt a current of electricity pass through him healing him and the other person's damaged shoulder of long standing was no longer painful. I must stress that I am not responsible for these healings, they are due the frequencies emanating from the projected images intermingling with the personal energies of the recipients.

I have over 600 reports now restored to my database (my old computer crashed terminally) with the help of Marion Simmonds.

The reports are analysed and put into categories listed below. The categories may seem arbitrary, so there are also additional sub sections to each.

HEALTH CATEGORIES.

ORAL (taste (metallic), tooth pain, unusual thirst)

CRANIAL (headaches)

OCULAR (vision changes, hallucination)

AUDITORY (Acoustic) hearing voices, music etc

GUT (nausea, diarrhoea, sudden hunger etc.)

SYSTEMIC (dizziness, weak knees, leg pain etc.)

MENTAL (thought processes affected, short-term memory loss, feelings of panic, terror, evil, peace, love and light, disorientation, sense of a presence)

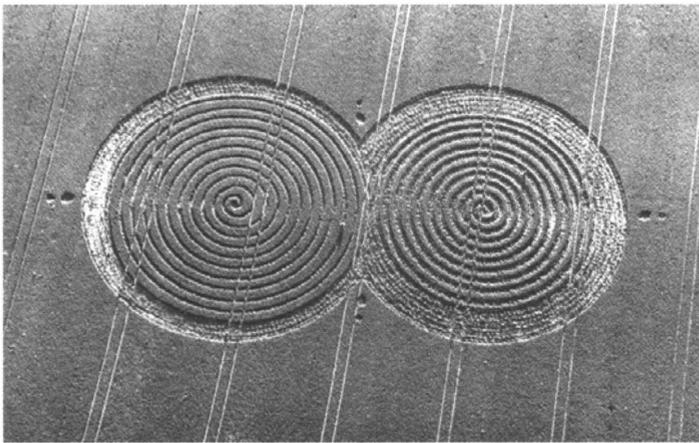
On a cautionary note, I would like to remind people that if they do not feel well when visiting a crop circle, or if you are pregnant or thinking of becoming pregnant, it is inadvisable to come out immediately. Also due to the many electrical failures experienced inside the circles, if you have a health device run by a battery, such as a heart pace maker, do NOT venture in.

Fort Nelson formation

One of the most important and earliest was the Fort Nelson formation that appeared in Hampshire on the 10 June 2004, within sight of Nelson's column and overlooking the sea near Porchester Castle, originally an old Roman fortress.

After an initial misdirection, we drove to Manor Farm and I found Mr and Mrs Parrott in the kitchen. "No, no-one is allowed to visit the circles, all circles are man-made anyhow" was their comment. When I revealed that tests last year had shown that seeds taken from inside a crop circle contained 50% more protein than the control samples and therefore it could be argued that the seeds from inside the circle were worth considerably more, Mrs Parrott said she would ask their son Timothy who was now in charge of the farm. Mrs Parrott returned, Timothy had said "definitely no".

So somewhat disheartened we drove off to view the formation from the road. It lay on a slope and looked wonderfully beautiful in the evening light of early summer. Sarah was beside herself with frustration and I had to almost physically restrain her. "I can't stand this, I am going back to seduce Timothy" she announced. After a bit of titivating with `things` from a large canvas bag we arrived back at the farm. It just happened that Mrs Parrott and Timothy were walking back from the fields at that moment and Mrs Parrott immediately recognised Sarah having seen the film, Ryan's Daughter. She fell about herself in excitement and so did Timothy and the next moment we knew we were inside the formation and whilst Sarah was enchanting Timothy, Juanita and I got on with our research, burying bottles and taking seed samples.



Fort Nelson, Hants. 10 June 2004 (photo Lucy Pringle)

The formation consisted of 2 spiralled circles lying in early wheat, kissing at the inner edges. The lay in one circle went clockwise whereas the other lay swirled anti-clockwise. When folded over they became a perfect fit, one into the other. These labyrinthine formations hold a special quality.

A happy ever after ending was further enhanced by each of us walking the labyrinth. It is thought that walking the labyrinth, one is on a journey from perdition (evil) to salvation. It is likened to the Eternal Quest for the Holy Grail. It is a Pilgrimage, experiencing the twists and turns of the good and bad times in ones life. It is considered necessary to enter a labyrinth in a pious, humble state of mind such as would happen on a pilgrimage.

Walking the labyrinth

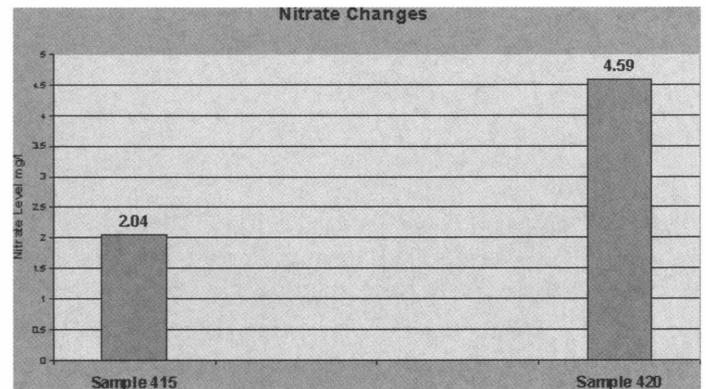
The paths of the labyrinth can represent many different aspects such as the chakras of ones body, and therefore whilst walking the labyrinth one may experience strange “feelings” at certain areas which can link to these particular chakras and if understood by the walker can give the participant a picture of what is happening to them on different levels of their being. (Finger walking the labyrinth 6 times will help insomniacs to sleep).

Labyrinths constructed on the principles of sacred geometry such as Chartres, will draw water beneath them due to the release of electromagnetic fields. Understanding of the labyrinth can be adapted to all religions, *modus vivendi*, traditions, and customs. It is of universal usage and importance. The more you examine and investigate the labyrinth, the more complex, diverse and profound it becomes. It is similar to trying to unravel the deeper levels of the mysteries of the Kabbalah. It is an enormous subject; the more one investigates, it is clear the less one knows, as with many other subjects that embrace diverse areas such as theology, mathematics, music, tradition, custom, legend,

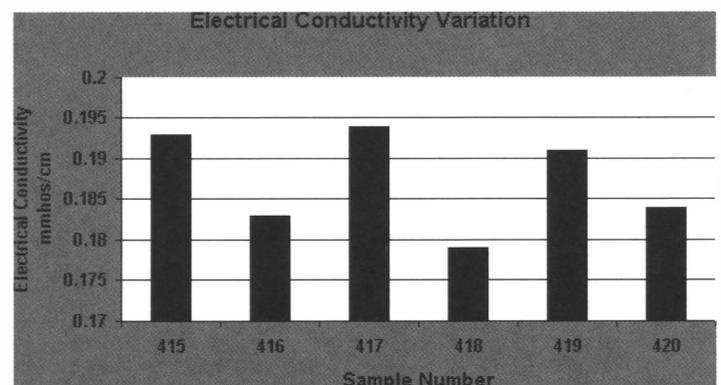
history and archaeology, each area having its own depth of learning and research.

Tests on water in samples

A full chemical test called a SA2 was conducted on the water samples with the following results and report:



The two samples showing the most changes were 418 and 420: 418 was buried in the centre of one of the spirals and 420 at the perimeter of the other spiral; 415 was the control sample. As shown on the diagram 420 showed a noticeable increase in nitrogen as nitrate, compared with the control*. The increase in the nitrate content is a trend we would expect to find in genuine formations. We now know that some form of strong electrical force or field is present when a formation appears. We also know that this is likely to be a form of plasma, which consisting of an ionized gas containing a high density of electrons and positive ions. In this condition they start behaving like an integrated whole, such as a swarm of bees or a shoal of fish, that can move simultaneously with tremendous force and speed. When this condition occurs, nitric oxide can result. It can also be formed by lightning. It was this effect that encouraged Jim Lyons to suggest to ADAS that there might be residual traces of nitrate in the soil that could be detected and measured.



Sample no. 418 revealed quite a significant change in electrical conductivity. Generally, the major source of conductivity in water is due to dissolved salts, often chlorides of sodium and potassium. Changes in water conductivity can usually be assigned to the freeing of ions of these salts. An increase in conductivity means that more free ions are available in solution. Jim Lyons suggests "I would put my money on the chlorides if I had to choose one only. The circle energies are clearly influencing the ionic bond of the dissolved salts."

I must stress that these results are only trends as we are still at a preliminary stage of this area of investigation; moreover the E.C. findings in the Fort Nelson formation are in contrast to the trends found in the 2003 Ogbourne samples (below). More research is needed.

Ogbourne St George, 2003

Last year we were not able to do a full chemical analysis on water buried inside and outside the wonderful Ogbourne formation as I had been using 25ml bottles. However despite being limited, the following results and report were interesting. Number 403 was the control sample, 406 was in the centre and 407 was at the perimeter. This was the area that both Christopher Weeks and I felt was the most energetic.

The lab managed to conduct 4 tests per sample. Results were as follows including dowsing auras (Thanks to Jim Lyons who kindly supplied the following report):

Ogbourne St George, water tests					
TEST #	pH ~7	EC mmhos/cm	Ammonia N mg/l	Bicarbonate mg/l	Aura inches
403	6.5	0.052	1.20	24	30
406	6.1	0.015	0.80	24	55
407	7.6	0.247	0.70	110	90

The pH is the degree of acidity/alkalinity. The neutral level is 7, below is more acid, above more alkaline. The variation is not dramatic but it should be noted that the most energised sample is the one with the greatest pH.

EC stands for electrical conductivity. (Units are milli-mho, the inverse of ohms, the measure of electrical resistivity) I have pondered this before and thought that subtle energy content could well influence the electrical properties of water. These however are the first results we have. I do not know what the normal variability is between samples so do not have a reference level. However, I am intrigued that the conductivity has increased so much for the most energised sample! More tests needed here.

I do not see a dramatic change in ammonia nitrogen level

(milligrams per litre). It is worth noting that they do decrease in a consistent manner with increased energy level.

The bicarbonate content has gone up dramatically with the level of energy. This looks as though it may be significant!

Overall, there is more variability between these samples than I would have normally expected. In particular, apart from the ammonia nitrogen level which I thought would be most influenced, there are very large changes especially in the electrical conductivity. This is very intriguing and if it holds out to be consistent, then it potentially indicates a change in the molecular structure of the water. This is still something of a speculation at this point in time. The overall conclusion is that most changes appear to have occurred with the greatest level of energy absorption.

In order to do a fuller analysis, I am now using 100ml bottles.

Marlborough Ridgeway formations, 2004

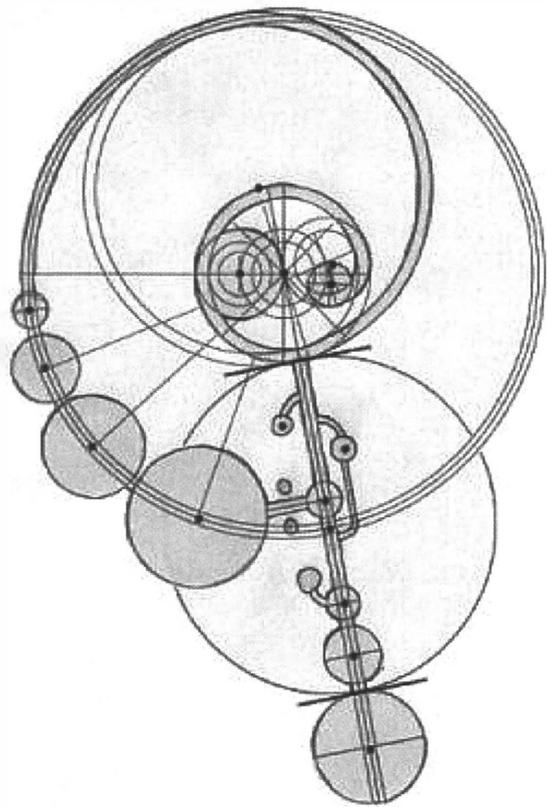
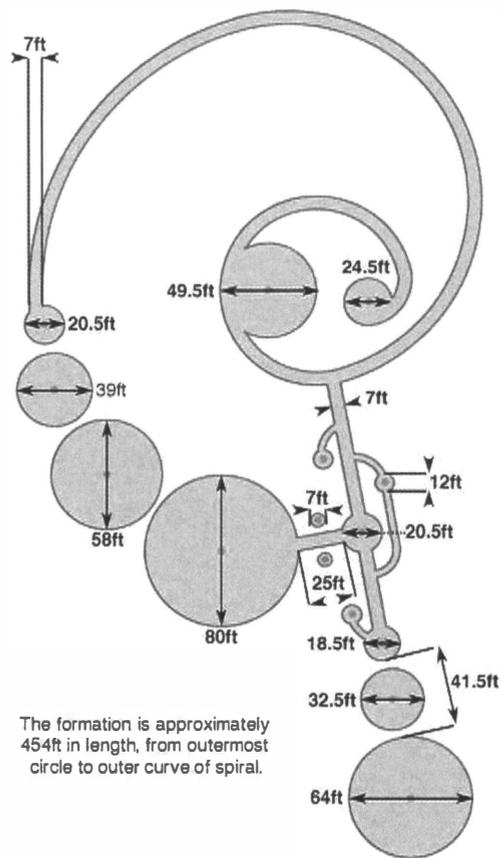
Two major formations appeared below the Ridgeway around the time of the summer solstice. The first one to appear was on the night of 19/20th June 2004. It had a wonderfully harmonious quality and a musician told me that when he laid his mandolin on the photograph it was a template. Mathematician Allan Brown visited this formation and was beset with frustration until he managed to work out the complex geometry.

He suffered similar frustration with the 'insect' formation (see below) that appeared within days and yards of the Mandolin. Both formations were a joy. Researchers Anne Moro from France and William Betts found evidence of blown nodes and dead flies stuck to the Stalks in both formations.

Dead flies

Over the years there has been much speculation over the cause of the dead fly syndrome. It has been suggested that something resembling fungus had been noticed on occasions on the seed heads and the flies. However it is unlikely that it could have killed the insects because fungi more commonly cause diseases in plants than in animals. For example, powdery mildew, *Erysiphe graminum*, causes serious damage to wheat. Also, there is the time factor to consider. If the insects had been discovered on the morning following the creation of the formation, then most fungi would not have had time to develop.

Rather than fungi being the culprit it is possible that finely matted cobwebs could be responsible as there is no shortage of species of small spider-like mites that produce fine silk webbing on plants and on the ground during dry weather. The red spider mite that can infest greenhouses is



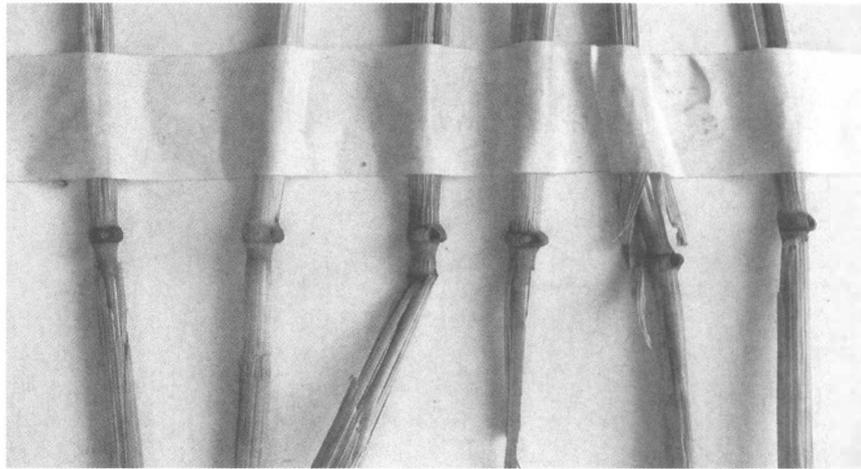
'Mandolin' formation - Diagrams Allan Brown



Blown Node and Dead Flies in 'Mandolin' formation, East Field. (Photo. William Betts)



'Insect' formation ; Alton Barnes, 20 June 2004 (Photo. Lucy Pringle)



Blown Nodes in 'Insect' formation. (Photo. William Betts)



Dead flies on wheat ears in 'Insect' formation (Photo. William Betts)

one such. Although many feed on plants and decaying organic matter, there are some that prey on invertebrates. They are small, varying from a millimetre down to the point where you would need a powerful magnifying glass to see them. This explanation is supported by the fact that some reliable witnesses have described seeing such webbing. However Betts and Moro found no evidence of webbing or fungi on any of their samples.

Russell Stannard, for example, reported that he visited the Cherhill formation of 17th July 1998 (<http://www.cropcircle.tv/archives/1998/cherhill98.html>) where Janet Ossenbaard had found many dead flies stuck by their tongues (*the species was identified by the Natural History Museum, London as Delia radicum, commonly known as the Cabbage Root Fly*. Ed.). Although Janet states that she only found flies within the formation, Russell found several dead flies on a number of plants near the field entrance, some distance away from the formation. All of these flies seemed to be held to the seed heads by a fine web. He also found a single dead fly in the tail of the July 21st 1998 Beckhampton Stingray formation. This fly also appeared to have been caught in a fine web. (*The web may well have been mycelium of the parasitic fungus Entomophthora sp., although it might also have been from secondary saprophytes on the already dead cadaver* Ed.).

Stuart Dick also reports finding flies on the seed heads of the standing crop in the head of this Beckhampton formation (<http://www.cropcircle.tv/archives/1998/beckhampton98c.html>). These were also caught up in a very fine web together with smaller creatures (spider mites perhaps) inside the seed cavity.

One of the most intriguing aspects revealed in the pictures was that many of the flies were stuck to the plants by their tongues. In most cases, all the legs of the insects were splayed apart. It has been noted that people have seen flies resting with their tongues partially extended and touching the surface in front of them. It is a puzzle how a fly's tongue could become so securely fixed to wheat that the insect could not remove it.

Janet reported that, after a short time, many of the flies recovered and flew off. Maybe this was after the plants had been lifted off the ground and the insects had been warmed in the sun. However William Betts and Anne Moro did not see any of the flies coming to life despite staying in the 2 formations for several hours in the hot sun. They remained stuck to the seed heads. Nor did they observe any dead flies on plants outside the formations.

William Betts kindly sent me this interesting report:

“To answer your question, at no time did any of the flies recover and fly away. We had the opportunity to study many examples of these flies in two crop circles, the Bee and the Mandolin and in every case the flies were 'glued' to the ears of wheat. Our friends Robert Hulse and David Cayton (who also studied and filmed the flies in the Bee), and our two Belgian friends will confirm this. What we did notice however was the beautiful condition of the flies which gave the impression that they were still alive, though strangely when the stalks holding the ear to which they were stuck were cut and removed as a sample the fly very quickly lost its freshness and shrivelled! It also seemed to lose its grip on the stem. At no time did we find dead flies outside the formations, and we made a point of looking for these. I even filmed areas of standing crop just outside the Mandolin very close to where I had found flies inside just to demonstrate the point. Robert and I both spent time filming one of the most perfect specimens; if any fly was going to fly away it was going to be this one. It stayed put. Whether it was still alive I cannot say but once the stems were cut they lost their freshness.”

Windmill Hill formation

One of the most interesting formations of the summer was the old fashioned linear event that appeared beneath Windmill Hill, near the hamlet of Avebury Trusloe on the 17 June.

Windmill Hill is yet another ancient and sacred mound lying in close proximity to Silbury Hill and Avebury Complex. It forms a triangle with Silbury and Avebury and they all lie on the Michael and Mary geodetic energy lines where they meet and cross. Windmill Hill is thought to be dated to the Early Neolithic period some 5000 years ago, 2800 BC and was constructed as a causeway enclosure. It is the largest known of its kind measuring 21 acres (8.5ha).

It consists of three rings of concentric ditches, which were probably dug out in the same manner as the deep Avebury ditch, using antlers and oxen shoulder blades. It is thought that the camp was at its most important as a farming community during a relatively peaceful and prosperous time of approximately 3000- 3500 years until the advent of the Romans, when their presence is evidenced by traces of a villa found on the western slopes of the mound. With first time croppies from Canada, I visited this formation soon after its arrival. As we progressed along the formation I suddenly felt as though someone had hit me on the back of the head with a sledgehammer. Being a migraine sufferer, I



am acutely aware that an ordinary headache can become a serious condition very quickly and so feeling distinctly the worse for wear, nauseous, with a thumping head and distorted vision, I retreated quickly the way I had come, only to find that within a few yards my headache had disappeared as quickly as it had come. I was not the only one to suffer similar symptoms. Several people who had visited it on the coach tour from Glastonbury symposium also found themselves suffering with headaches and nausea, some severe.

Visual distortions

We know that `energy` lines are distortions in the mineral structure of the planet. Some are linear, some are sinusoidal (wavy) and others spiral. Beneath the surface of the earth's crust there is almost as much activity as in the heavens.

The enormous pressure on rock crystals produces powerful local electrical fields, which can measure several thousand volts per metre. When this action occurs `luminosities` may also result. Studies by Michael Persinger, a professor of

psychology and neuroscience at Laurentian University in Sudbury, Ontario, lead him to believe that there is a connection between earth quakes, electromagnetic fields, unusual brain activity such as visual hallucinations and paranormal events such as UFOs.(1)

There is a wealth of evidence from different scientific disciplines, showing that `energy` lines affect us in many diverse and bizarre ways; distortion of vision, leading to brief blackouts are also recognised and recorded.

Notorious traffic accident `Black Spots` are almost invariably located on these `energy` lines. The survivors will often report that that a local, familiar, straight road suddenly had a sharp right hand bend ahead, whilst others will report seeing a non-existent tree just before the accident happened. Clearly there would appear to be some visual distortion.

There is increasing scientific evidence allowing us to make a connection between mechanical failures and seismic activity. The records of car engines stalling and electrical devices failing are so numerous, that the weight of substantiating data can no longer be ignored. Michael Persinger and others, relate these events to "a common piezo-electric seismic discharge from a fault zone."

Migraine Variant

There could also be another possible explanation for these visual distortions: Migraine Variant. This is a little known condition suffered by many people who do not get the headaches of normal people and therefore are unaware that they are sufferers.

Much research is continuing but unfortunately many people when asked why they did not visit their doctor with these symptoms said that they felt they had not wanted to bother him/her, or didn't want to be labelled as being `strange`. Unfortunately as these symptoms are not readily recognisable they might be diagnosed incorrectly. This condition is often triggered by seeing straight lines (e.g. The Avebury Trusloe `Magnetic Field` formation displayed a series of straight lines!).

One interesting visitor from France related how he and a female friend both suffered acute nausea, headaches and exhaustion, thereby suggesting that the residual energies remained as strong as ever.

"We stayed in the formation about 20 minutes. We left because I wanted to see another formation somewhere else. (I did not make the link between the headache and the crop circle at first). As you know, for `Frenchies`, driving in

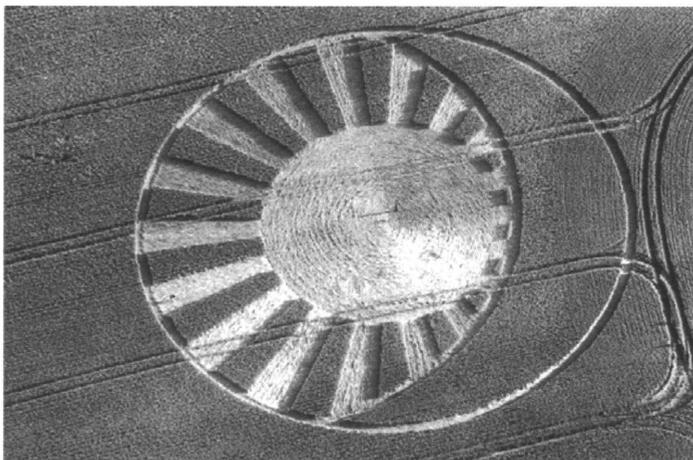
England is not easy (opposite side of the road) so we decided that I should drive and Veronica guide me with the map. But Veronica fell asleep in the car (she was sick, in fact nauseous), and I was not able to find the other formation without her and I was not feeling very well myself and I was also lost! Finally I found my way to the Barge Inn. When we arrived there, we went directly to sleep in the tent for 2 hours (in the middle of the afternoon). That is not usual for us at all. When I woke up, I felt a little better but I was not rested at all. It was like if I had had an agitated sleep.”

Anomalous effects

Another report relates how a Canon XL1Mi 8mm camera failed in the middle of the main formation whereas it worked fine outside the circle. “I felt a strong ‘whoosh’ of energy near where the camera failed. Also three times in a row my camera failed when it viewed the crop circle pictures in the Crop Circle Café. It had to be repaired by Canon; all the electronics had blown, the main vision board, video processing chips; also the date back up battery was exhausted” Author Linda Moulton-Howe tells me that she heard of three other camera failures in the same formation.

Several other reports send to me by women who had visited this formation, told of tummy pains, similar to bad period pains.

At the beginning of August I took a group of people round several of the circles, before ending up at Stonehenge in the evening for a private entry visit - a magical end to the day. Unbeknown to me, one of the group had a very painful



area on the ball of her right foot under her right toe and she was not sure how she was going to manage, knowing that we would be doing a lot of walking. First we visited the West Kennet Long Barrow before going into the Solar/

Lunar formation (*see below*) that had appeared on the 13 July. By the time we left the circle the foot pain had completely vanished and at the time of writing, now some three months later, she tells me that the pain has not returned.

Another report from that day came after visiting the ‘Maze’ at Savernake. On arriving at the edge of the field we all donned our raincoats, stout shoes and umbrellas as a ferocious storm from the Marlborough direction was heading our way. However at the last moment it suddenly veered away and not even a drop of rain reached us. “I found the Maze very tranquil. (Recently I had a very traumatic family experience which left me emotionally drained of energy and confidence). I found a secluded corner in the circle and sat quietly and I became very drowsy. My mind suddenly cleared and my thoughts took on a more perspective attitude. I gazed around me at the group and the sheer beauty of my surroundings. We were all here together, strangers till now, but all of us with a common interest. This peaceful, relaxed feeling stayed with me and the same night I slept very soundly and deeply, but a strange dream woke me; it was a song I used to sing when I was a small child, long forgotten, but all the words came flooding back I sang it to my grandchildren. They loved it.”

These various reports confirm that people are experiencing not only hormone stimulation involving the endocrine system but psychologically the circles can be judged to be generally beneficial.

As a measure of how these effects might occur, we proceeded to conduct our usual scientific tests on the brain (Isobel Maxwell-Cade and Peter Staples) and endocrine system activity (Annie Smithells, Biotech Health, Petersfield), also an advanced Kirlian photography technique (Dr Roger Taylor) measuring the changes in area, spectral width, form and noise of the Kirlian records, that show the well being or otherwise of an individual by displaying the person’s electromagnetic field.

Report on tests of EEG (electroencephalogram) and ESR (electrical skin resistance) measurements from West Kennet, Wiltshire, 1.8.2004 by Peter Staples and Isabel Maxwell Cade

1. Introduction

Following our investigations on the changes in psychophysical responses experienced by people in crop formations over the years 1993 to 2003, we joined with Lucy Pringle and fellow researchers and enthusiasts to take more measurements this summer.

The approach we adopted was to use portable electronic biomonitoring instruments to monitor Electrical Skin Resistance (ESR), peripheral temperature and electrical brain rhythms via Electro-encephalograph (EEG), taking sets of reference measurements within the crop formation and in the same field but away from the formation.

The conclusions of a simple experiment of this type should be viewed as "demonstrative" rather than "proof" in strict scientific terms that the crop circles can be an agent in bringing about changes in states of consciousness.

2. Measurements and what they can show

The nature of these measurements and what they can show is summarised in the article "A test on the psycho-physical changes invoked within a crop circle" in *The Circular*, Vol 4: No.4, March 1994, pages 13 to 15, to which the reader is referred.

In summary, measurements of changes and responses in the body are used to appraise the corresponding changes in mental/emotional state. The basis for this correspondence is empirical - derived from many hours of monitoring people and relating their subjective accounts and the observable responses with those taken objectively from the instruments. We attempt to interpret such changes in psycho-physical terminology eg. "shift from lethargic towards relaxed-and-alert" because these are more accessible than the physical readings from the meter scales. This obviously reflects a model of the psycho-physical responses with an objective consistency, and this was an important part of the work undertaken by Maxwell Cade in the development of biomonitoring method and is implicit in these studies.

Watching the display of the Mind Mirror (EEG) for even a short period shows how rapidly and frequently the spectrum of brain wave activity can - and often does - change. The account given below is therefore a brief appraisal of the overall shift (or absence of such shifts) in the patterns of the subjects listed.

Our interpretation of the EEG patterns reflects a "hierarchy" of states of consciousness, i.e. where each state has a greater level of awareness and responsiveness than the one below. Whilst there are appropriate situations for

Subject	ESR (left hand)	ESR (right hand)	Control in formation	Control in formation
Annie	40K	40K	80K	50K
George	350K	90K	300K	200K
Jackie	300K	30K	250K	50K
Bert	100K	120K	150K	60K

all these states, we are looking for an increase in the level of awareness and in the balancing of the activity of the two sides of the brain. This way of interpreting EEG patterns is described in the book "The Awakened Mind" by C. Maxwell Cade and Nona Coxhead.

One of Max's states is delta on its own, which corresponds to deep (dreamless) sleep, but we also see this pattern in wakefulness when accessing preconscious impressions or, for example, when searching memory or dowsing. When delta is present with beta, but with little of the intermediary frequencies (particularly alpha), Max termed this "alpha blocking". The beta represents the externalizing, e.g. putting thoughts into terms for communicating to others, but without alpha, this function is blocked from the source of its subconscious origins reflected in the delta activity. Alpha acts as a bridge for the transmission of impressions from the subconscious to the conscious functions.

"Fifth state", with balanced left/right alpha, beta and theta is often found during 'peak' and creative experiences when the state provides the potential for intuitive and empathetic attunement. When present with warm hands and a free moving hand ESR, this is a stress free state where energy flows freely and you are less likely to experience the effects of stress or feel drained.

3 Location

The Wiltshire location was arranged by Lucy. The controls were carried out in a barn at a farm at Beckhampton and the formation was in the field of another farm, near Silbury Hill. The crop formation was called the West Kennett 'star' and was quite large. The crop was wheat. The aerial photograph shows the shape. The control measurements were made in the morning and those in the formation in the afternoon. On this occasion there were a few other people in the field at the time.

It was a hot sunny day with some cloud. The temperature in the barn (in the shade) was 27 °C with no breeze and in the crop formation it was around 37 °C, dropping to 33°C when the sun was behind a cloud. Our subjects were Annie McCaffry, George Norrie, Jackie Faulkner and Bert Janssen.

4. Findings

The ESR and finger temperatures are summarised in the table to the left. (a higher ESR means lower autonomic nervous system activity).

Note: The temperature in the field was around 37 degrees

Celsius, which is the same as blood temperature, so that the finger temperature readings there were of limited use.

In the control, Annie's EEG pattern showed "alpha blocking" which is a pattern where there are beta, delta and usually some theta activity but virtually no alpha activity. (Most of the brain functions do not rely on the awareness of the process by the individual which is facilitated by the alpha EEG activity. With alpha blocking, the subject often reports feeling no different when there are changes in the EEG patterns and other people may say his/her behaviour or attitude has changed). She was producing a lot of delta activity which we interpreted as "taking things in at a subconscious level", with awareness externally focused.

In the crop formation, Annie's EEG patterns had more alpha activity and the characteristics of a meditative state with balanced alpha, beta and theta rhythms. At one point, she described her experience as "like bolts through me - through the whole of my left side and the middle of my back, making my legs move". Her legs were moving although she was comfortable with this happening. This could be an "ESP" sensation or similar. Annie's ESR showed a fairly high level of activity, with twice the level on the left hand when in the crop formation (relates to the right brain hemisphere activity).

George's EEG pattern in the control showed mainly delta - indicating a brain state which was very "closed off" from the things going on around - into his own world. When talking about something important, he showed a transient symmetric alpha/beta/theta pattern - "state 5".

In the crop formation, he showed more beta - indicating more external awareness and much more of the balanced alpha/beta/theta pattern. The delta was still active but with the other frequencies he would have been more in contact with how he was feeling.

George's ESR showed much more activity on the left hand in the formation - by nearly a factor of four relative to the control. The right hand showed a smaller increase in activity in the formation.

In the control, Jackie's EEG pattern showed a lot of beta on both side of the brain. We interpreted this as "mentally overactive". She would also switch to a "state 5" pattern (balanced alpha/beta/theta) at times. In the formation, the beta had calmed down and the "state 5" pattern was more

Subject	finger temp. (left hand)°C	finger temp. (right hand) °C	Control in formation °C	Control in formation °C
Annie	34	37	33.5	37
George	33	35.5	33.5	33.5
Jackie	35	36.5	33	35
Bert	35	36.5	34	37

prominent. Jackie also showed much higher levels of ESR activity (autonomic nervous system) in the formation relative to the control - by a factor of ten on the left hand and a factor of five on the right hand.

In the control, Bert's EEG pattern showed "alpha blocking" with eyes open and an alpha/beta/theta pattern with eyes closed. In the crop formation, he showed more theta and more "enlivened" states. We wondered if there were other issues which were also affecting the brain rhythms. Bert described his situation as "there was no stimulus today - usually I talk with people and discuss things but not today".

Bert's ESR showed considerably more activity on the right hand in the formation (factor of more than twice the control value). His left hand showed slightly less activity than in the control.

5. Conclusions

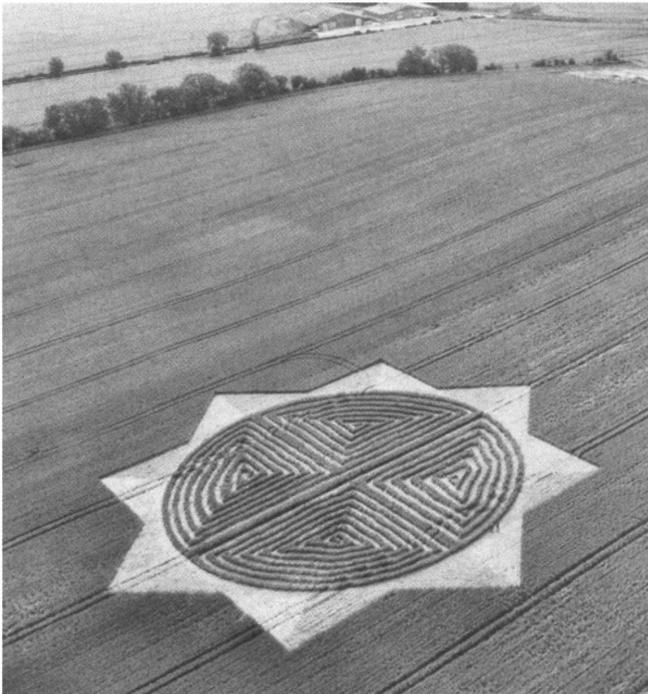
All the subjects showed significantly lower ESR readings on the right hand in the crop formation than in the control. Lower ESR indicates a higher level of autonomic nervous system activity - ie. "gearing up for action", emotional / expressive arousal etc. The right hand ESR reflects the left brain hemisphere activity and is associated with "drive" and proactivity. George and Jackie also showed a large increase in the left hand ESR activity between the control and the crop formation.

All the subjects also showed better integration of the different components of the brain functions we could measure within the formation – e.g. more alpha and theta activity on both left and right hemispheres showing improved "connection" of the conscious and preconscious.

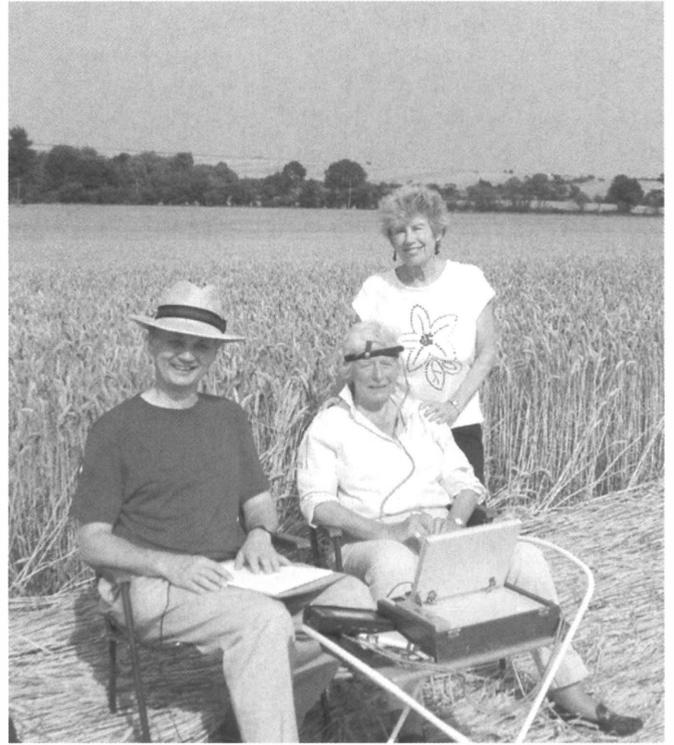
Overall, the effect on the subjects was elevating - more balanced and "creative" than exciting. For these subjects, the experience in the formation definitely produced more dynamic and lively states of mind.



*Control measurements in the barn - above: Annie with Isabel
below: Peter with Lucy, George and Annie*



Aerial view of West Kennett 'Star' formation (Photo Lucy Pringle)



*Measurements in the West Kennett formation - above: Peter, Jackie
and Isabel*

A dead bird, a red-legged French partridge, had been found beneath the fallen crop inside the formation. Stories about this vary and I have still to reach a conclusion about this actual event.

As usual I am deeply indebted to farmer David Hues who kindly allowed us to conduct our control tests in one of his splendid barns at Beckhampton. It was a glorious setting with Silbury Hill looming large and majestically in the near distance. After conducting the controls and having our picnic lunches *in situ*, we entered the West Kennett 'star'. It was a blisteringly hot day.

For the hormone tests using the Best System, eight participants took part: Jim Lyons, George Norrie, Annie McCaffry, Rodney Hale, Roger Taylor, Lucy Pringle, Jackie Wolfe Murray and Bert Janssen.

West Kennet, Wiltshire 1 August 2004

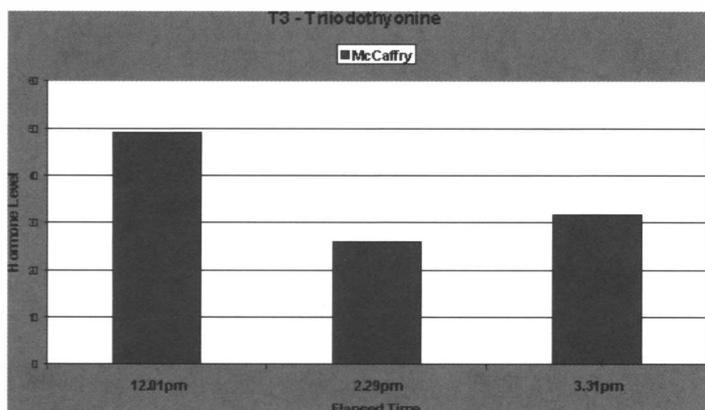
Eight participants took part in this trial. Each was measured prior to entering the crop circle and then approximately 2-3 hours later within the crop circle itself. It was a very hot day. The initial measurements were in a cool barn and as near as possible to "clinical conditions". All the participants, most of who were carrying heavy bags, then walked some half-mile to the crop circle.

As the measurements involved taking readings of skin resistance, perspiration could lead to slight divergence in the readings. Taking readings in crop circles is far removed from clinical conditions. So I have made allowances for this in my assessments.

	<u>Readings in barn</u>	<u>Readings in circle</u>
Jim Lyons	No imbalances	No imbalances
George Norris	No imbalances	No imbalances
Rodney Hale	No imbalances	No imbalances
Roger Taylor	Adrenal Stress	Adrenal Stress (unchanged)
Lucy Pringle	Adrenal Stress	Adrenal Stress (unchanged)
Jackie Wolfe Murray	Adrenal Stress	Adrenal Stress (unchanged)
	Thyroid Imbalance	Thyroid Imbalance (unchanged)
Bert Jensen	Thyroid Imbalance Suspected sub-clinical Hypo-thyroidism	Hormones normal
Annie McCaffry	Adrenal Stress	Adrenal Stress (increased) Thyroid imbalance * results unchanged 1 hour later

In conclusion, 6 out of the 8 participants showed no changes in their readings. Bert Jensen's change in thyroid balance could possibly be explained by the increased temperature in his body because of the exercise and high ambient temperature.

Annie McCaffry's results were remarkable, so much so that Annie Smithells retested her an hour later with the same results. In particular her thyroid showed a dramatic depletion. This is a hormone that has shown to be affected in other years.



In conclusion (possibly apart from the above – Ed.) I do not believe there are significant changes to hormone readings inside and outside crop circles.

Best System vs. Lie detector Tests.

There appears to be some confusion between the results obtained and the methodology used by the Best System (used by Anne Smithells of Biotech Health to measure and compare hormone levels in humans, inside and outside crop circles) and the accepted process used in Lie Detector Tests. I would like to clarify the difference between the two methods.

The Best System technique was originally discovered in France in the 30's but was left in abeyance until in the 1950's, Dr Reinhold Voll, a German bio-physicist, discovered a way to measure energy levels of bio points. In the Best technique, the patient holds an electrode in one hand, whilst a galvanometer is pressed against an acupuncture point on a finger on the other hand. This technique measures the electrical resistance at meridian (acupuncture) points. The measurements are on a logarithmic scale.

Lie detector tests are conducted by encircling the finger with a conductive band and also measure in ohms skin resistance which is affected by perspiration. Again the voltage applied would not be more than 5 volts at 30 micro amps.

Both use skin resistance as a means of conveying the results, however there is a fundamental difference between the two tests. The Best machine transmits a selected frequency/noise, pulled up from a library of electronic signatures on the computer, applying it to an acupuncture point and recording a *physical/body* response. The lie detector test measures an *emotional, psychological (not biological)* reaction from the autonomic/sympathetic nervous systems in response to certain questions put to the individual. This is revealed by the amount of perspiration on the finger. The area used for this test is much larger and more random than the precise location of an acupuncture point used in the Best tests.

Before each Best test begins, a balanced reading of 50 is obtained by pressing the probe (galvanometer) against acupuncture points on the patient's finger until one is found that constantly gives a reading of 50 (equivalent to 100,000 ohms). The scale is between 0-100; normal approximate reading is between 48-56.

How do we know we are measuring a particular substance? We know that every substance has an EM field (food, vitamin, mineral, parasite or virus), which contains its own particular energy pattern or electronic signature. Jim Clark, who developed the Best system, managed to isolate these

individual patterns, record these EM signatures and encode them into the Best system, which currently holds over 30,000 Electronic signatures.

So if we are testing for thyroid for example, the probe to the acupuncture point on the patient's finger will carry with the electronic signature of thyroid. The probe carries the selected frequency from the library of electronic signatures and sends a very small electronic signal (5 volts @ 30 micro amps). The body's reaction (skin resistance) is translated into numerical form and recorded by the system.

The normal scale of reading is broadly between 48 - 56. (approx. 98,000 - 150,000 ohms).

Professor William Tiller, (Dept of Material Science & Engineering at Stanford University) and others have examined this system and see great potential in terms of future diagnostic medicine.

Roger Taylor reports: "Just as last year, I brought my "GDV" (computerised Kirlian) equipment, together with crude 2nd hand laptop, 12v battery pack, and inverter to bring 12v up to 230v. All functioned OK in the barn, using mains supply. But in the field, after only about 3 finger-readings, it failed. I thought this might be the inverter cutting out - perhaps due to overheating in the intense sun. When I got home, however, I found the fault was in the GDV: a small fuse had gone. This equipment had functioned perfectly during the 12 years or so that I have had it. Moreover, the fuse which failed was in the high-voltage section, rather than in the 230v input. This suggests that it had not been blown by some over-high input voltage, perhaps from a malfunction in the inverter. Instead one begins to think of some "influence" inducing an over-voltage in the coil of the high-voltage transformer. I know that fuses do sometimes eventually get "tired", if they are run too close to their rated current, but I can only remark on the extraordinary coincidence of this occurring at the time it did. Put this together with the failure of my best laptop during use in another circle two years ago, and it looks more like synchronicity than coincidence - if there's any difference!"

"Perhaps this is a personal message to me to approach the

circles with more respect!"

'Mayan Calendar' formation

The rains set in at the beginning of the second week in August, thereby curtailing the season as effectively as the hot summer as 2003, but in reverse. One of the final formations to appear this summer was the eye catching formation opposite Silbury Hill on the crest of the hill, thereby rendering it invisible from the road below. Here again the waters are muddied and the possibilities read some like some gripping detective story; the Who Done Its, the Who Didn't Do It and the Did Nobody do It. Until I have made further investigations, I am not prepared to comment on that aspect. However I visited the formation very shortly after it reached its final form and could find no evidence of human involvement in the shape of plank crushing. William Betts also examined it and reached the same conclusion.

It appears to contain information relating to the 3 Mayan calendars which run in concert, the Long Count, the Tzolkin (Divine Calendar) and the Haab (Civil Calendar). Again there is debate about this information but on close analysis, I have reached the conclusion that it contains quite remarkable and in depth encoding of these three calendars. Thus one more avenue of exploration opens before me; one of the many I have been privileged to investigate as a result of this as yet unexplained phenomenon.

As always I would like to thank the scientists who generously give me and my research their time and energy (particularly Jim Lyons who has also drawn up the diagrams), to the farmers who allowed us onto their land to carry out this research, to my web manager Paul Vigay and most of all to those of you who have filled in my questionnaires; without your help my research would not be able to expand and continue.

1. Blackmore, Susan. *Alien Abduction, The Inside Story*. New Scientist 19 November 1994. p 29.

* Readers are advised to read Lucy Pringle's article - "Is there Evidence for Memory of Water" (2003) (www.lucypringle.co.uk/) for more details and background to this work.

AN INTELLIGENCE AT WORK

George Bishop

Anima Mundi (Latin: The soul of the World), which for ancient philosophers meant the very source of life. Plato took it as meaning "the animating principle of matter," maybe inferior to a "pure spirit" that presumably was not necessarily confined to Earth alone. Stoics believed it "the whole vital force of the Universe," James Lovelock refers to it as Gaia

Do we confuse life with intelligence - or intelligence with life? Can we comprehend of a pure intelligence? Can we comprehend the complexity or simplicity of a pure *Energy*?

What I might refer to as our *arena* of operations, are the crop fields of the world. A place where circles, and circles related phenomena, have been reported throughout recorded history.



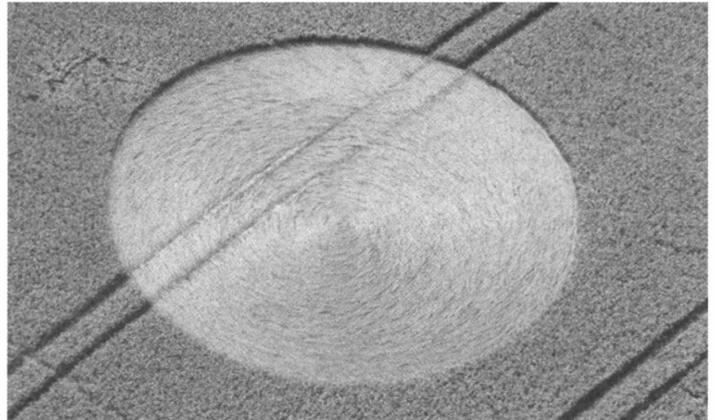
BOLs over grass circle at Hoeven, Netherland, 2005
(Photo – Janet Ossebaard)

What I refer to as the *intelligence* at work, falls into two forms, *ours*, and *theirs*.

One, we hopefully take with us when we venture into the largely unknown environment of the chemically polluted monocultural farmland. The second, we hopefully find when we get there. What we do with either form of intelligence, and how we use one and react with the other is the subject of this presentation. Even the reality of each form's very existence needs careful scrutiny.

The first humans, who came to Britain around the end of the last ice age, were probably animists, worshipping rocks, streams, trees and similar so-called *inanimate*, objects, imbuing them with, or recognising within them, a life force that they then venerated. They probably didn't worship in

the sense that we comprehend the word, but much like James Lovelock's Gaia hypothesis, they accepted that The Earth had a sentient energy, and that each prominent rock, stream, tree or copse was the home of a spirit or *guardian*. They took a particular place, plant or animal as a totem, as it had some significance in the harsh reality of their everyday existence, what became known as a *familiar* in some connotations. Imbuing it with relatively human characteristics, this anthropomorphism helped to make sense of their local environment and the greater world they lived in. It also made sense of the greater mystery of the world they lived in, filling in the gaps in their knowledge, and making a convenient explanation for the unanswerable questions of their place in the universe.



Simple crop circle near Bishops Cannings, July 2003 (Photo – Andrew King)

What if they are right?

What if we are the ones who have it all wrong?

Anyone who has ventured into a crop field at night will appreciate early man's feeling of a greater presence. Was it any mystery then that such deities brought a form of sanity and order to an otherwise chaotic world?

Let us for a few minutes set aside our comfortable 21st Century scientific belief system: what if that rock is peopled by a Kobold? What if that tree houses a Dryad, each water course a Naiad, in fact, a whole host and pantheon of spirits that people our world and are available to interact with us if we are open minded enough to interact with them? Might it not make sense of our world too if we give it the opportunity?



Illustration of Puck

Let's take our *intelligence* into the environment of a crop field, probably a sad and barren place to the entities that are more used to the chaos of woodland glades, rocky outcrops and babbling brook. The recent historical record suggests that 60% or more of *crop* circles have always appeared in grass and scrub rather than cereal fields, and that 60% has been largely adulterated by our greater, and more recent, concentration on research into crop circles in cornfields.

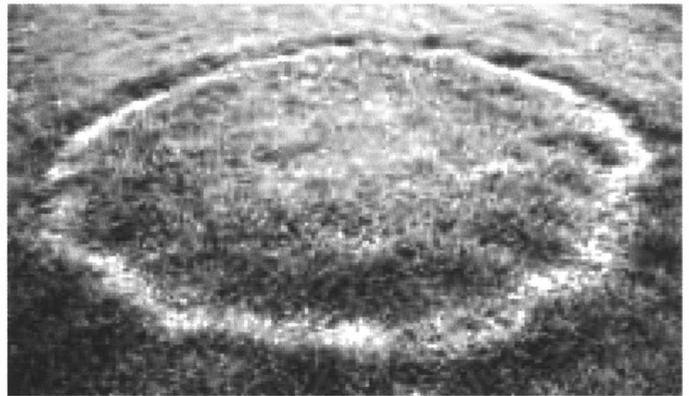


Grass circle – Garsington, nr. Oxford. June 2005 (photo – Ellis Taylor)

Folklore is filled with references to fairy circles. *Sprig's Nests* is but one example of a plethora of local names given to the phenomenon; not to be confused with *faery rings*, of course, which might be a red herring. I saw some this year (2004) during May in Exeter and watched as the fungus that we *know* causes them, erupted into the pale white fruiting bodies. The passage of a lawn mower destroyed the fungi, but made little difference to the dark green circle that stood out starkly from the paler surrounding grass within and without. Within the darker green band, lay a withered and sere brown *track*.



Typical Fairy Ring



Bare track-like areas are left after toadstools die off.



Various species of mushrooms and toadstools (fungi) can form rings in grassland.

Small wonder then that folklore imbued them with tales of faery revels, or the passage of witches' feet in their dance around their familiar. Some suggested that the fungi were the abandoned parasols of the imps who had spent the night in their revels capering around their grassy arena. Others suggested that that the seared band within had been killed by contact with the passage of evil hooves.

Then we have the problem of what is a fairy, goblin or sprite? Do such spirits exist? Did they ever exist and why has the belief in their existence faded almost to nothing?

Do we believe in goblins? Are the *greys* of Ufology our modern equivalent, and just what are the similarities of these two entities?

In the annals of Welsh folklore recorded in the 19th Century, there exists the record of an old man who drew the entity illustrated here, which he reported having seen in the vicinity: You can draw your own conclusions as to the similarity with *greys*.



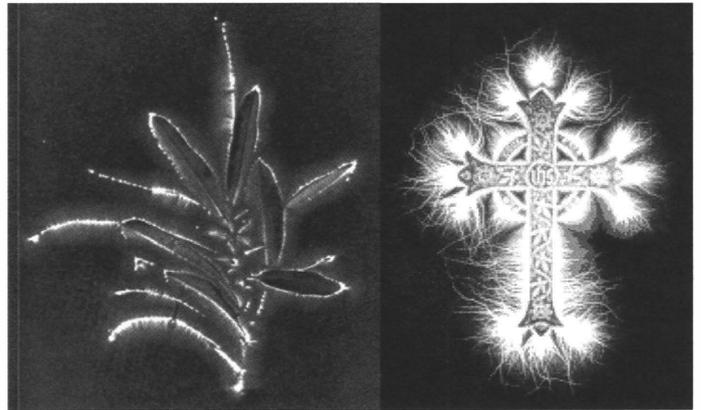
Drawing of a *grey* or Puck-like creature

This is not the time or place to illustrate all of the examples where we could draw comparisons between ancient sprites and modern ufonauts, nor between flying saucers and flying carpets.

Back to our modern cereal fields. You have all heard of Kirlian photography, a device that photographs the energy field the surrounds all living (*and non-living* - Ed) matter. Cut off the lobe of a leaf, or a finger from your hand, and Kirlian photography will still detect the energy surrounding the missing digit. Take an ear of wheat or barley; it stands more or less upright amongst millions of similar stalks, each surrounded by an energy field that extends some few millimetres from the centre. This makes our crop field analogous to a bed of nails: when we make our way through the chemical soup which is endemic to modern agrochemical practices, we pass over

No doubt such fields are compressed by the proximity of the stalks surrounding it, they only have freedom to expand in one direction - upwards.

This makes our crop field analogous to a bed of nails: when we make our way through the chemical soup which is endemic to modern agrochemical practices, we pass over



Kirlian photographs of a plant and an ornamental metal cross.

and through an etheric field of energy spikes waving in the wind. Is it any wonder, then, that as we approach a crop circle, our dowsing rods detect the edge of a circle? After all, there is a sudden and catastrophic break in the energy field that you have been walking through.



East Meon, Hants. 1992 (Photo – Andrew King)

The crop is laid down, let's say, in a clockwise manner, and the energy of the stems is now flowing to the left; reach the centre and it is largely cancelled out and confused; progress further and the energy flows to your right.

Even the most unpracticed dowzers amongst us ought to be picking up these *energies* and probably misconstruing them as *earth energies*, but then the field may well have other factors at work within its local environment; there may be earth energy lines, ley lines, water courses or even stray pieces of scrap iron buried there. Dowzers will suggest that they can filter out these stray interferences and that may be true, but they still need to be aware of the potential for these energies to be intruding upon their work.

Lucy Pringle buries her water samples within crop circles boundaries and her testing suggests that the water has a memory of the latent energy there. Is she perhaps picking up the same form of energy that our forefathers collected in their hearthstones?

The Mowing-Devil :

Or, Strange NEWS out of

Hartford - shire.

Being a True Relation of a Farmer, who Bargain'd with a Poor Mower, about the Cutting down Three Half Acres of Oats, upon the Mower's asking too much, the Farmer swore, That the Devil should Mow it, rather than He, And so it fell out, that that very Night, the Crop of Oats grew'd as if it had been all of a Flame; but next Morning appear'd to be neatly Mow'd by the Devil, or some Infernal Spirit, that no Mortal Man was able to do the like. Also, How the said Oats ly now in the Field, and the Owner has not Power to fetch them away.



Mowing Devil

This is the point at which we begin to weave together the various factors we find operating in a crop circle. The environment within a circle is vastly different from that which surrounds it, it may seem a small difference to us, but even the sunlight that reaches the ground here is many times the amount that reaches the base of a standing crop. The soil beneath is warmer and birds come to devour the fallen seed, foxes come to devour the birds and a complete microclimate develops within the desert of surrounding standing crop. Weeds spring up in the stronger sunlight; butterflies bask in the shelter offered by the windbreak of a metre-high wall of surrounding crop; deer browse and croppies lie down to soak up the *energy*.

Despite the agrochemical miasma, the life force or energy of the plant survives, proof, if proof were needed, that plants at least have a potential sentience and a stubborn will to live. Studies over many decades have suggested that plants respond to their environments. Researchers have proved that plants respond to stimuli, suffer pain and enjoy pleasurable experiences. Even Prince Charles finds that plants respond to encouragement if you talk to them. Trees are just bigger plants and will have similar tendencies. Little wonder, then, that our ancestors recognised within them a life force and venerated them. Maybe it was simply their readiness to recognise a reality that we have been trained to ignore.

Indo-Aryan migrations culminated in the Celtic phase of middle Europe. We should bear in mind that Britain never ever had a Celtic phase, a quasi-Celtic tradition perhaps



Carved stone in Costa Rica – solar worship by indigenous Mayans perhaps?

(which manifested itself in Somerset in the 60s!), but the so-called Gaelic phases of pre-Roman Wales and Ireland are a completely different kettle of fish. Translocation of ideas and culture rather than a physical migration of people, Celts were more at home in Saxony than in Southampton. The other thing to bear in mind is that our perception of mythology suggest that Egyptians came first followed by Greeks, then Romans and finally the Normans. So where do the Celts fit in?

Were they somehow a part of the druidic culture?

Where do the Norsemen fit in, and what of their rich mythology? Were they manifested as Vikings? No, of course not, but it is interesting to note that most Viking raids, particularly along the South and West coast of England, were actually carried out by Irish raiders. The Gaelic speaking people are an ancient race that is well known for a rich and varied mythology. The misnomer *Viking* is a prime example of propaganda in action. Our perspective on history is warped by time, twisted by rumour and propaganda and distorted by partisan historians. The Greeks adopted Celtic myths and they wrote them down and renamed the characters to suit Mediterranean tastes. As the Celts didn't, we assume that they (the Greeks) had a richer tradition than they in fact deserve. Plagiarism at its finest!

The Celts were, of necessity, closer to the land than Greek writers and may well have been aware of, and interacted with, the spirits that inhabit it. Their mythology, unfortunately largely lost, may have had a lot to teach us. Vestiges of it survive in Greek tragedy, fable and folklore. Much has been adopted into their Homeric tradition and now we need detectives to root out the source material.

Carrying on our assumption that we are surrounded by a concourse of entities, mostly hidden from view, what can it



FAIRIES MARKETING AT LAUGHARNE



Fairy Circle – drawing in the unwary to take part and be lost in time!

do to help us understand the workings of the circle makers?

Get into the mind of most traditional farmers and you will find an individual who accepts, more or less willingly, that there is more to life than scientists are able to define. They believe that there are energies or entities at work in the land they farm. They probably have first hand experiences of strange and inexplicable events that offer no other possible explanation other than one we generally term *paranormal*.

Get into the mind of long-term croppies, and you will find another factor. A member of my local group left a few years ago stating, "What have we learnt in the last ten years? Nothing new! What we knew then - we know now!"

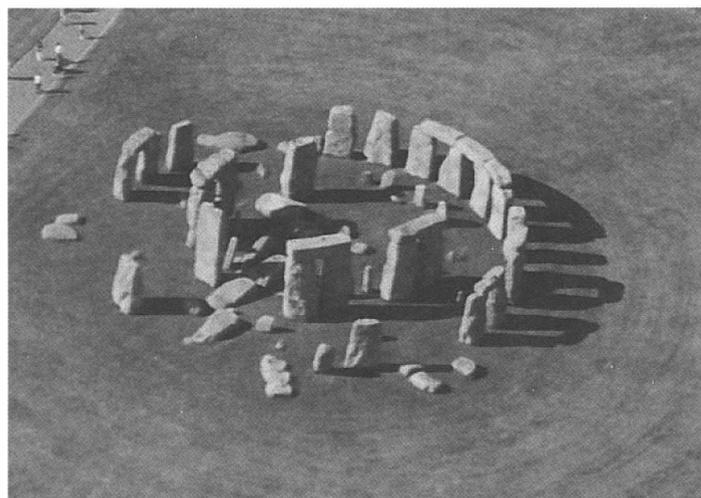
What if he is right? Have we had the answer in our grasp, but rejected it because it didn't fit in with current *scientific* analysis? The fact that we have discovered nothing new may be because there is nothing new to discover. Sidetracked by the latest *scientific* research, the latest magnetic anomaly, the current geophysical or physiological changes, swept aside by some eccentric theory, diverted by

some spurious revelation or other, misguided by some demented and diversionary guru, or simply chasing the rainbow of the latest offering of the hoaxers, have we lost track of the threads which weave the whole phenomenon into a cohesive and simple straightforward fact? Are the circles themselves even misleading us? Take a mass of disparate threads and they can be woven into a Persian carpet. Get the sequence wrong and you are left with a tangled mess of cotton waste.

Assuming the existence of animate spirits, are they inhabiting not only trees, streams and rocks, but perhaps even circles too?

Man built Stonehenge, yet no one calls it a hoax! What, aside from an astronomical tool, was man thinking of when he built it? Why drag rocks all the way from the Prescelly Mountains in Wales, when the surrounding plain is filled with them? What imbued these particular rocks with significance relevant to their project? Was it the spirits that dwelt within? Did man realise that and use the spirit of the stones to create an especially holy, as well as useful, place?

English folklore is filled with tales of sprites and goblins that lived in the hearth, byre or environs of farms. Hob-of-the-Hearth and Hop-my-Thumb are but two names for a myriad such beings. Food and drink would be left out for him nightly and woe betide the person who omitted this task, a custom, vestiges of which are adapted into our Father Christmas and *First Footings* traditions.



Stonehenge (Photo Andrew King)

Building the henge of stone, allowed or encouraged, perhaps even forced, spirits to dwell within the monument and interact with man. Woodhenge would have suffered early degradation as Dryads die when their parent tree dies and monuments of wood would have become totally inanimate. Is it possible that man learnt early on to transport his gods in his hearthstone and made use of this when building his monuments and tombs?

A pantheon and hierarchy exists within the realm of the faery folk, and even those who dwelt within trees, rocks and streams were able to move outside their homes from time to time. Higher up the hierarchy, there are sentient beings that move freely and are more readily able to interact with man. Perhaps using the energy of the local environment, they can manifest themselves in a variety of ways. Probably to them a crop circle is a hole in the fabric of their world, a place where they can, if they wish, interact with humans. Can we accept that some entities might be pure energy and as such may even be able to create crop circles?

Cereal crop circles prior to the 1950s are relatively rare by comparison with the late 20th Century boom. Is it possible that field spirits have learnt that producing a circle in a cereal field brings an admiring crowd of people to worship them?

Prior to Victorian times it was grass circles in the main that did the trick. It seems an ideal explanation for both the boom in quantity and the change in medium.

If spirits and intelligences live in such places, they must have wanted to interact with man: far easier to stay still and hidden, far less complicated to maintain an appearance of an inanimate world than one peopled by a supernatural pantheon. They must have had good reason and a desire to be seen, at least by some open-minded people.

How do we interact with them?

Simply by accepting the probability and visiting *special* places, including crop circles, quietly, deferentially and preferably alone or in very small groups. The amount of energy contained within another person may well be enough to swamp that of a visitor-starved entity. Once you have established a rapport with your spirit you can introduce a select band of others to your contact if you feel it is appropriate. It is very likely that such spirits will develop and blossom from the contact, but be very aware that not all such spirits have your best interests at heart! Even the most seemingly benign will be working to its own agenda - not yours!

What about hoax circles?

Setting aside for a moment the fact that hoax circles are constructed to deceive, and as such the spirits that may be attracted to the event may be more intent upon mischief than your mental wellbeing, it is worth considering the experiences of Wilhelm Reich, an American engineer (*Reich was first and foremost a psychoanalyst* - Ed) who invented what he called a 'Cloud-Buster'. Mounting a collection of metal drainpipes on a lorry, he toured the local drought-plagued farms and, pointing his pipes (*after they had been grounded* - Ed) at a passing cloud, the energy he claimed built up in the

pipes, which he termed *Orgone energy*, manifested itself in persuading the errant cloud to give up its moisture as falling rain for the benefit of the parched crop.

It is my contention that the crop circle in its simplest form is but a short fat *cloud buster*. It may not focus on passing clouds, but it may well generate a form of energy. If it does, dowers can expect such crop circles in pristine form to generate a rising level of energy. The passage through the surrounding wall by man or beast would dissipate this energy, allowing it to leak away into the surrounding vegetation.

A wandering entity could inhabit such an area, feasting off the energy, or utilising it for a dialogue with some open-minded individual who shows the proper respect and protocol upon such a meeting. So, providing the *hoaxer* has done a great job on his constructed circle, it probably matters little provided it attracts a passing entity with a mind to interact with you. One word of warning: do not enter the circle you wish to develop as a place of contact. At least, if you must - do it with deference and humility.

One other consideration - you may only have a hoaxed circle to work with!

On the other hand, having demonstrated an open mind to your local spirit, he may feel you are worth investing a circle upon. Such an entity may well harness enough energy to create a temporary temple for your benefit. Remember that such an investment is a very expensive use of local resources and don't squander it unwisely.

Having made so many assumptions already, a few more won't go amiss; nothing ventured, nothing gained. Is it worth a few moments of your time to take a little open-minded intelligence out into the fields and simply to soak up the atmosphere? You will be amazed at what you see and feel, even in your first tentative ventures out into an environment suddenly and potentially filled with burgeoning life forces. Look at the crop, see each individual plant. Do you easily recognise the different types of cereal, what weeds grow where? What surrounds the field? What can you hear? What can you feel? What is out of place? What is natural? Is that a Ball of Light you glimpsed out of the corner of your eye, hopping over a distant hedge, or some vagrant sprite testing your resolve and suitability?

When I investigated crop circles in the field, I felt a presence and likened a potential circle site to a furnished room. Where no circles were intended, the field felt empty and hollow. Where circles were imminent it felt full and was portentous of things to come. As such, we were able to keep watch upon certain fields, even photographing them in the spring, long before the crop was sprouting, and were

able to be present only moments after the circle appeared. There were detectable heat differences in parts of the field, possibly natural and possibly just a coincidence, but who knows? Only a follow up research programme by like-



BOL (Hoeven, Netherland, 2005) (Photo – Janet Ossebaard)

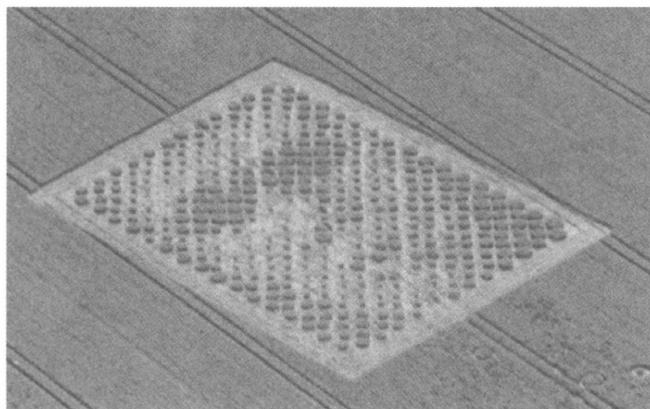
minded individuals may hold the answers to that and many other questions.

Don't forget, some circles may not be easily *spotted*!

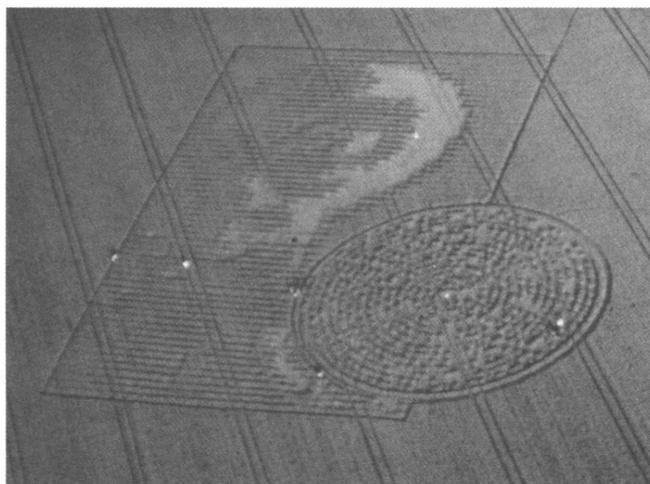
Will your intelligence stand the test of your resolve to be more open-minded?

Hoaxers often report that they felt *driven* to make a particular formation, or to amend a planned design. Are they being manipulated by an intelligence in our fields?

Are you up for the Crop Circle IQ test?



Chilbolton Face – August 2002 (Photo – Lucy Pringle)



Crabwood, Hants. 'Alien' + disc, August 2002 (Photo – Andrew King)

Which is the alien?

Circling on

Margaret Novakovic

It was some time in 1994, when I was sitting in my bedroom, repairing a beautiful round Victorian tablecloth, (I am, amongst other things, an antique dealer in textiles), and listening to LBC radio. Two gentlemen with rather posh voices were talking about a curious phenomenon that had recently appeared in the fields, referred to as crop circles! I was totally intrigued, it was the first time I had ever heard of anything like it. Then the punch-line - a meeting at Kensington Town Hall the very next evening! I just couldn't wait...The two gentlemen were of course Michael Green and Ralph Noyes.

So my relationship with the amazing phenomenon, and meetings and friendships with many wonderful and inspiring people in the crop circle world began. And knowledge of a darker side too, a shadow behind the beauty and snares for the unwary. A friend and I drove to

Roundway Hill on July 18th '94, and parked at the top. Looking down we saw the Scorpion, as it came to be known, laid most elegantly across the field, flooded with sunlight. I said, "I can see it, but I cannot believe it". It was, I think, what a religious experience must be like. The wonder touched my heart, and my usually very chatty friend was speechless. We explored it - that it had come from another dimension we did not doubt. After that, many more explorations Time went on, and I got to know Michael and Christine Green better, and offered to help CCCS in any way I could. We had a wonderful Conference in Westminster Hall in August 1997, which Carol Cochrane and Michael organised and I tried to help: over 100 people came. Those were still in the heady days before hoaxing and the fear of it challenged people's faith, and left so many wondering what on earth to believe.

That same night, a few hours later, Princess Diana died.

I joined the Council in 1998. My brief then was 'Meetings'. I had attended the London group for some time, and was getting to know people and enjoy the meetings enormously. Michael Green was Chair, and Carol Cochrane put together excellent programmes of speakers, but by 1998 Carol was experiencing too much pressure from her other commitments, and I offered to see if I could arrange the programme. It was all a bit nerve-racking, to say the least, and I was very hesitant about approaching famous people in the crop circle world, but Michael helped me, and soon things were working well. We met in the Quaker International Centre, just off Tottenham Court Rd. in a rather awkward L-shaped room, and after the meetings most of us would retire to the Cafe Uno nearby, with our speaker, and some very lively debate and many jolly evenings were enjoyed there.

We always welcomed non-members of CCCS to our meetings, and charged them £1 more to come in. Many of them did join over the years, but attendance did not alter much. One memorable night in February 2001 Michael Glickman was with us, and we were really crammed in tightly, many people sitting on the floor. His startling challenges and irony were always a draw! I think most people really enjoy being provoked.

The Quakers put the rent up and up, and last year we moved to a pub near Euston, where we will continue to be there as the new London Forum. Much as I still enjoy my role in organising and running the meetings now, I couldn't do it without the wonderful help and support of my dear friend Sally Mudge, who keeps me on track and almost sane through the difficult times. Marcus Allen and his Nexus bookstall have always been great contributions to the success of the meetings, and he has given us many fascinating, highly controversial presentations. We hope they may continue. I want to thank Andy Thomas too, another wonderful friend, who continues to give me the best of advice and support.

In 2002 I became CCCS treasurer, after Damian Brothers left, a very rash move indeed, I thought. I had absolutely no experience of accounting other than the most basic home-made sort. I tried my best to work on a 'common sense' kind of principle, but that did not suit everybody! so I struggled along with some assistance from a past treasurer, Peter Henden, a brilliant accountant, whom I had great difficulty in understanding. Anyway, we got there somehow, and our finances are still in a healthy state.

The continuing power and beauty of most of the formations, which appear each year still enchant me, and although stories of hoaxers and their works continued to spread, I was not greatly disturbed by them. Extraordinary inspiration was coming from somewhere; if people were making any of them, then why? and why continue?. One night the infamous Matthew Williams phoned me, offering to give a talk in London, (I declined). Going along with his hoaxing claims for a few minutes, I asked him why he kept on making them. "to attract the paranormal", he replied, and gave me examples of balls of light coming to meet him in the fields, and formations appearing that he had planned to make. I really did not know what to make of these claims, but on balance I did think there was probably something in them, if any of them were true, they would make a reason to continue.

Many formations have continued to enthral me, and one of the most beautiful and mysterious was the Hackpen Hill circle of July 4th 1999. The exquisite arcs and curves, the skill and subtlety of the way they were formed were incomparable. Particularly the fine outer spiral, far narrower than any human foot, and more perfect than a hand-held instrument could make, were beautifully described by Lucy Pringle in her article in TC 38, Summer 2000. The Julia set at Stonehenge, the great triple spiral at Windmill Hill, and the largest of all, the 6-fold spiral at Milk Hill, then the extraordinary alien face and disc of July 2002 and the beautiful "Flying Ribbons" near Stonehenge in 2003, are just a few of the reasons that go on intriguing and inviting me to continue the journey. It is exploration that leads also into other fields, other loves and friendships, worlds of spirit and magic. In Cavafy's poem "The Journey to Ithaca" he makes clear that the 'Journey is the Arrival', and so it is for me, too. However many "hoaxing" stories proliferate, there is still an element of beautiful mystery, and a sense of something else.

CCCS was set up to discover the actual, scientifically provable origins of crop circles. No such proof has been found that would in any way account for them all. We have run out of tests to conduct and there is a lack of energy to continue down this path. Many people, including CCCS officers and members consider all to be man-made and therefore unworthy of serious study. With great credit to Michael Green and others, many links with the ancient spiritual teachings have been found and revealed, which give the formations yet other values, and are surely worth pursuing.

So now we are at a point in time when it looks inevitably that the CCCS must close down. It has approached the

end of its natural life, perhaps. Everything that lives, by its very nature, has to change. Even the best and happiest of times, the apparently most flourishing, can never be static for long. So is it also for the desperately worst of times. It is in the nature of life, its very dynamic. It is not necessarily a time for disheartenment and despair. Every year, so far, wonderful conferences are organised, in Wiltshire, Dorchester, and best of all in my opinion, Glastonbury. The formations still bring people together, sharing, learning, and, mostly thoroughly enjoying themselves.

In London a new group has recently been established: "The London Forum for the study of Crop Circles and other Mysteries". Our website is: www.londoncircles.com. We expect to start our next programme in September, and run through to April. All our meetings will be on Thursdays at the Sols Arms, Hampstead Rd., corner of Drummond St, close to Warren Street tube and Euston Station; times will be 7-10pm, tickets £6. We look forward to welcoming any and all who would like to continue the Journey!

MN May 23rd, 2005

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An appreciation of the Crop Circle phenomenon

John Haddington

My first view of a crop circle was in the summer of 1987. George Wingfield had telephoned me with the news that something pretty strange was going on in the West Country. Fields of cereal crop were being flattened in a circular swirled fashion by unknown forces. He had met some of the researchers involved in this puzzle, and they were convinced that the agency responsible for making these patterns were no less than The Aliens themselves. Aliens had made the headlines in recent times in that part of the country, with strange whirling lights being seen at night over Hampshire, and indeed over that very same stretch of country. George took me to Cheesefoot Head where there were a couple of large impressions in the punch-bowl. We walked down the hill into the field and examined the formations. The pattern of the first was similar to the five on a dice, with the central circle having a diameter of around 40 feet. This circle was swirled in a clockwise fashion, as were three of the satellite circles which were much smaller, being only about 6 feet in diameter. I was very impressed by this first view of a crop circle and have never looked back since. The announcement by the press in 1991 that crop circles were actually the work of a couple of picture framers from Southampton did little to dent my enthusiasm for the research into the cause, as I had discovered certain things totally unrelated to the activity of Aliens, that drew me even deeper into the scheme of things.

For me the important thing was to decode the message that was being delivered to us, given that it was accepted that there was an "intelligence" behind this phenomenon which wished to communicate. Most other research seemed to be aimed at finding out what type of pen was being used to create these images. It was like a group of scholars examining the works of Shakespeare with the intention of finding out what type of quill the bard used for his work, rather than reading his wonderful sonnets and plays as examples of fine literature. Perhaps the most important factor in this phenomenon, has been the drawing together of people from many different countries and walks of life with a common interest. I have made so many friends over the years that I have been taking an interest in crop circles, and although I live nowhere near the centre of crop circle activity, I have been drawn down to the West Country in the summer to study the latest events and attend conferences and meetings of the CCCS. I hope that this summer will produce a special marvel to knock us off our feet. One is due if my calculations are correct.

Crop circles have evolved over the years into stunning formations, and although it is now generally accepted by even the most devout of believers that most of today's crop circles are the work of graphic designers, there is still a mystery out there, and I am proud to keep up an interest in this most mercurial phenomenon.

Common Cause Common Sense, please?

Carol Cochrane

During my tenure as Chairman of the Centre for Crop Circle Studies (2000-2002), I campaigned relentlessly for the proper recognition of the vast meta-physical field of enquiry to be considered as important as the scientific field. For any reasonable conclusion to be drawn about this subject, I believed then as now, that both sides must stand shoulder to shoulder, equally and respectful of the others' expertise and discipline. **A partnership in common cause**, each bringing their own unique skills and abilities to illuminate the most uncommon of situations.

As a past colleague of the current Chairman, Ray Cox, I would like to add some comment to his statement/response to his 'correspondent' in TC #54, particularly in respect of what he terms the 'myths' surrounding the belief of higher intelligence(s) involved in the creation of crop circles, and those who have created and uphold that 'myth'.

If I am not mistaken, those people he alludes to, apparently being the ones who do not pay due homage and respect to the scientific/expressly critical method of enquiry over and above any other method that may be applied to aid our understanding of the phenomenon. I fully embrace any and all properly conducted scientific

study in exactly the same way as I embrace the range of metaphysical study conducted by groups and individuals every day because of the amazing interactive nature of the crop circle phenomenon. Having said that, in all my years as a researcher and active member of the CCCS, I have not once come across any scientific results which support his correspondent's stated views on numbers of genuine circles versus man-made ones, but must in all fairness accept that these views are personally held, if entirely unsupported as fact.

Ray's correspondent, who has a personal 'belief' that only a very small proportion (8%) can be considered genuine and that those were exclusively geophysical in origin. He further claims that the rest (92%) are man-made. While I totally refute these findings, I will defend the right of any researcher to hold such personal views without prejudice against them. The problem in this case, however, is that this particular researcher (Ray's correspondent) fails spectacularly to qualify his findings as personal, and is publicly expressing his views as fact. This is clearly unhelpful in furthering our understanding of the phenomenon. You cannot ask others to believe your

beliefs. They need something more than that. If we, as researchers, are to convey a picture of a genuine phenomenon to the public at large, or even amongst ourselves, we really must be clear, and entirely responsible with the information we are disseminating. We need to know if a research paper is 'backed up' by fact, or merely a sharing of the accumulated evidence as experienced by the researcher.

We must make sure that whoever reads or listens to us, is in no doubt of our position in relation to the information we are giving out. Clarity of this point, in my opinion, is of critical importance. Ray's correspondent please take note. Equally unhelpful however, in my opinion, is Ray's allusions to the 'myths' generated by researchers in their quest for answers to this mystery. A personal belief is not myth. It is no more than what it is - a personal belief, whatever it might be. Everyone has a right to believe whatever they choose. The hope is that their belief does not harm or deliberately misguide others. The overriding feeling when reading Ray's descriptions of genuine enthusiasts who may well have cause to believe in the potential for off-world, ET, or Cosmic Intelligence causality, as 'mythologists' is derogatory in the extreme, and provocatively divisive. I am saddened to say that it is the least positive or useful expression of personal views I have heard lately on the subject. As a former Chairman of CCCS, I am quite astonished that one who holds such a position would chose to retaliate with his 'correspondent' in such a public manner.

In an organisation as controversial as CCCS it would better serve research efforts into the crop circle phenomenon to maintain an outwardly positive and balanced stance when acting as public spokesperson for its members and officers. I caution that if the general spokesperson for any organisation, including CCCS, fails to represent all of its members, that organisation stands to lose members and other enthusiasts will be less likely to embrace it as future members. It is surely a sad day when the Chairman of an organisation does more to discourage membership than anyone else, however inadvertently. This is an activity best left to those outside of the organisation, of whom there appears to be no shortage. The suggestion posited here by the chairman in response to his 'correspondent', that the majority of 'croppies' are mythologists if they are not applying hard scientific or other critical method towards their own interactions with the phenomenon, clearly dismisses the free will and choice

of the individual to experience these mysterious events in their own way. To further suggest that those he considers such mythologists should “stand back awhile from the scene and from the subject, or take a more critical look” constitutes, and belies, an undercurrent of ‘intellectual’ arrogance and superiority that is considerably unhealthy and decidedly unpalatable. Even if, as he states in his article, that it may be too late for his correspondent to “stand back awhile”, the reference, as I understood it, would have a more general sweep.

Those who wish to study the phenomenon from a scientific perspective, are as free to do so as those who choose to study and interact with it from a metaphysical or subtle energy perspective. The fact that many do choose the latter method is testament to the all-encompassing nature of the phenomenon. It clearly invites us to undertake and apply all methods of enquiry towards a wider understanding of that nature.

However, the rather entrenched nature of certain members of the CCCS Council appears to favour the scientific method **above and exclusive to** all other methods. It is more than a little ironic to hold such a rigid view considering the lack of CCCS scientific investigations nowadays. Deriding genuine enthusiasts who do not ‘toe the scientific line’, some for very good reason is disingenuous to the greater efforts of many who are able to see the broader picture.

Allow me to gently remind the Chairman that the key aim of the CCCS as stated in its Constitution, is to study ALL aspects of the phenomenon equally and fairly, and to disseminate all findings to the wider public. The desire to

act on behalf of the public, however disinterested or uninformed the Chairman currently perceives them to be, arises from the emotional, compassionate, creative side of the brain (intuitive/metaphysical), which is equal and opposite to the logical, analytical, so called thinking side (rational/scientific). They must function in unison to generate the full potential of both, not battle as enemies in conflict.

The reason for this ‘altruistic’ attitude on the part of the founding members of CCCS clearly stemmed from the fact that they were seeing something of a quite extraordinary nature - something with immense global significance. Something the world really needed to know about, and the only way that would happen was if dedicated and committed individuals took it upon themselves to see to it as has proved to be the case.

These fundamental human principles and qualities: **to serve; to seek; to share; to grow together**, were considered of vital importance when CCCS was set up and stands as testimony to the fact that there is nowhere to go if we don’t go there together. All sides respectful of the others views and perspective, even if not entirely agreeing with them, in my opinion, is where the balance is to be found.

However the numbers stack up at the end of the day, there is no doubt we are dealing with a genuine phenomenon of immense proportion. I urge **all** crop circle researchers and enthusiasts to embrace the **HOLISTIC** (logical, mystical, rational, intuitive) nature of these dramatic events. Learn from the lessons they are teaching us while we have the opportunity to do so and let’s not regret it later.



Complex grass formations at Garsington, nr. Oxford. June 2005 (photos Ellis Taylor)

2004: THOUGHTS AND EXPERIENCES

William Betts

I don't quite know what to make of my experiences over the 2004 crop circle season. In February 2004 I had given a conference on the subject in France and expounded the theory that crop circles are like flowers on a perennial bush where underground aquifers are the branches on which the crop circles 'bloom'. Using the same metaphor we could be compared to the bees that visit the 'flowers'. On the white board I produced a chart of comparisons: (see below).

If pollinating is the spreading and interchanging of genetic information then we, by entering the formations may be picking up information in energy form to be passed on elsewhere. If honey is a serendipitous end product of the flower/bee relationship what would be the equivalent as an end product of the crop circle/human relationship? The production of honey is almost an alchemical process, something amazing (and its not just sugar!) from so very little. So using this metaphor what, if any alchemical process could be going on between us and the crop circles?

There was an embarrassing moment during the conference when I forgot how to spell 'bee' (abeille) in French, much to the amusement of the audience and had to resort to the English BEE. It sat there in the middle of the board a witness to my poor spelling (spelling has never been my strong point, even in English).

Four months later the 'Flower' crop circle arrived at Honey Street and I drove down the very next day after work to photograph it. On the way back I stopped off at Knap hill to have a look down into the East Field, the untouched, uniform green below stretched away from me as far as the eye could see. I looked across at the rise on the other side of the vale. It was here that I had entered my first crop circle back in 1997. *The Torus knot*.

A few days later a very strange formation appeared in the East Field and people reckoned it had a musical feel. I looked at my mandolin propped up against the wall. What would the result be if I superimposed the crop circle on the mandolin? I sent a photo of the instrument to Anne Moro, a past master at image manipulation. She contacted me shortly afterwards to say that it fitted like a glove! It was a template. (see photo) What was I to make of that! The previous year I had photographed the mandolin in the crop circle that arrived below the Milk Hill white horse (I sometimes use the instrument to show scale, and as a focal point for the photograph). Now it seemed to have arrived as a crop circle in its own right, at least, from my perspective. I had to visit this one!

On Friday night the 25 June Anne phoned to try to convince me to go to it. She was too late, I had already left! 2am Saturday morning I was approaching the Knap Hill parking area, it was pitch black and I missed the turning and had to carry on down to the bottom of the hill. I turned right at the crossroads and headed off in the direction of Devizes before reversing into a field entrance so I could turn round. I got out of the car to pee behind a hedge and found myself facing the dominating black silhouettes of Milk Hill and Adam's Grave. Silence reigned; no cars anywhere, nothing parked up on headlands or verges, no lights in the fields just this overwhelming blackness.

I returned to the parking area at Knap Hill, and made my way down the rough track into the East Field below, passing a couple of old battered camper vans pulled up tight at the top of the track. No sign of life. One of the reasons I decided to go so early was because of predicted deteriorating weather conditions and rain was due to set in for the weekend. At the moment however the sky was clear, full of stars, and as such there were no clouds to reflect town lights. Descending the chalky path was slow going in the pitch dark.

So I sat in the 'Mandolin' waiting for enough light to film. It seemed like hours. Then around 4am I noticed a strange 'cloud' above Adam's Grave. It was an almost perfect inverted cone, orange-red in colour. This was before the break of dawn in the east. When day broke I took photographs and returned to the car. I drove around for a bit and went back to the field entrance I had reversed into a few hours earlier. The sky was now rapidly clouding over but in the diffuse light I made out a shape laying in the field below the Milk Hill white horse. I drove back up to the parking area above the East Field and crossed the hills to meet the 'Bee'.

Back home a few hours later I mailed the photos to Anne Moro for her web site (www.culture-crop.com) by return of her last mail to me dated 21 June. In it she had simply given her reaction to the Honey Street 'flower'....."SWEET! as sweet as honey! You always speak about bee, (abeille) honey is not a coincidence!?" she had written.

I studied more closely the photos I had taken in the 'Bee'.

There was artistry at work here; the way the wheat had been laid, fluffed and lightly flattened seemed to suggest down, the sort of down you find on the body of a bee! Is whatever is making these images using a brush stroke to describe surface qualities and texture, in this case

'beeness'? I noted that the previous year's 'Swallows' formation had tufts and features that resembled feathers (see www.culture-crop.com photos terrestres 2003). In some instances even the finest details lost in some far-flung corner of a formation are worked to perfection, bundling and layering stems. For whose benefit I wonder! And why at other times does the lay so often resemble water in all its manifestations and nuances? There is design here, a message within the message.

I remember during the conference I gave in France expressing a wish to see the scientific community show greater preparedness to involve itself in the crop circle mystery. It has since occurred to me that they perhaps are not able to; so much is the strangeness of it outside their understanding of their familiar world, and their own standing within it. Besides, the intelligence behind the phenomenon is certainly aware of this as it shows little interest in pursuing this route in making contact with humanity. It is so far ahead of even our most cutting edge science that its interest in this aspect of our lives is probably limited to concerns relating to the potential for self-destruction our present technological status equips us with. (I often ask myself the question; if bees and flowers need each other to survive would the crop circles continue to arrive if we as a species disappeared?)

A comparison could be drawn here with our own position in relation to that of prehistoric man who we regarded as 'savage', until we came across their 'soul' expressed in the stunning cave paintings in Lascaux, France. The lack of respect we may have felt when comparing our advanced

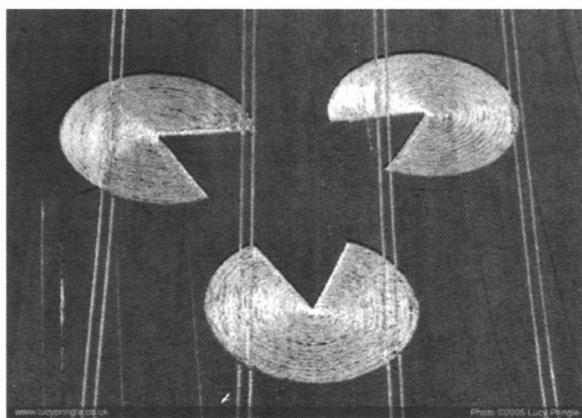
technology with their flint knapped and bone handled tools was soon turned on its head when we stood, mouth

open in front of those beautiful, lithe and flowing images on the cave walls. If WE had the possibility of returning to that prehistoric time would we be interested in the technology behind the construction of bone handled tools, when the opportunity to study the shamanic creation of those painted masterpieces beckoned us? Would we contact the flint wielders or the artists of those wonderful paintings to gain an insight into the mind of prehistoric man? The interest here is not how they lived, we know that, but what made them tick, their soul, and what we can learn from them and its relevance to our own lives, perhaps reminding us of what we have lost. Is this not what is behind the interest shown in us by whatever is creating the crop circles? It can't after all be our 'advanced' technology, flints and bone tools to them. We have something far more important, our 'soul' expressed through music and art. How could anyone define the importance and beauty of Bach, Mozart, or the Celtic music of Lunasa? Would anyone ever in some distant future be in a position to say that such art was no longer relevant to the present and should be confined to the museum, the fate of yesterday's technology?

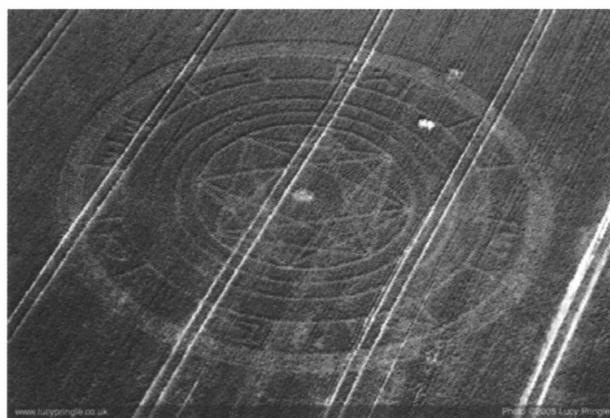
So the crop circles are about us, not our transient level of technological achievement. We are spending our time trying to PROVE to each other that the real phenomenon exists when we know it does. Talk about not seeing the wood for the trees! 'Croppies' are greatly outnumbered by scientists on this planet so why not go directly to them? Because it's not about science, it's about humanity. It's about our soul and on that subject modern day science has little to say.

To view photos taken in the above-mentioned crop circles go to www.culture-crop.com photos terrestres 2004.

Flower	Branches	Perfume/colour	Bee	Wings	Pollinates	=	Honey
Crop circle	Aquifers	Internet	Us	Planes/cars	Disseminates	=	?

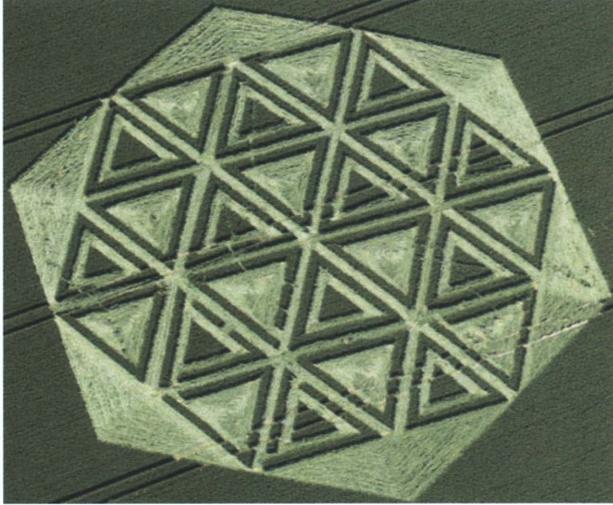


Rockley, Wilts. 28 June (Photo: Lucy Pringle)



Hannington, Hants. 26 June (Photo: Lucy Pringle)

Some June Crop formations



Avebury Trusloe, nr Beckhampton, 23 June (Photo: Crop Circle Connector)



Chalgrove, nr Watlington, Oxfordshire, 27 June (Photo: Andrew King)



Blue Bell Hill, Medway, Kent, 19 June (Photo: Andrew King)



Lurkley Hill, nr Lockeridge, 22 June (Photo: Lucy Pringle)



Clatford Bottom, nr Marlborough, 12 June (Photo: Lucy Pringle)



Monkdon Down, nr Winterbourne Stoke, 20 June (Photo: Lucy Pringle)

Toward a reliable "genuine crop circle" base

Jonah Ohayv

1. Pre-assumptions

1. It has to be admitted that even with the best-formed crop circles we can no longer be sure from the overhead geometrical design if it is genuine or hoaxed. This is because a logical and feasible construction-order can usually be found which would reproduce the components of the shape.

2. One should beware of *a priori* presumptions that a formation is hoaxed (or is genuine) until otherwise proven as such presumptions tend to bias an on-the-spot examination. One needs to meticulously investigate the raw evidence with an open mind.

Unless the spontaneous appearance of a formation is witnessed (chance photography of this very brief event is extremely unlikely), or unless hoaxing is unequivocally documented (for instance while it's in progress, in an identifiable location), we can seldom be certain of a crop circle's origin, but only argue in terms of relative degrees of probability.

3. As it is natural to feel some mental and emotional unease at not quickly finding the answer to a basic question or search, we tend to reach conclusions too quickly. As a result, there have arisen very many over-generalisations, some of which have become myths, concerning the criteria for judging crop circle genuineness.

A crop circle visitor's usual first question is, "Is it hoaxed (and to be dismissed), or genuine (and to be reverently examined)?" Instead, we should work from first principles, making use of the empirical research-base of the limited number of historically most-likely genuine formations, in order to reach our conclusion.

Fear of embarrassment at treating a hoaxed circle as genuine has the effect of making one first ask the question of a new formation: "Is it genuine?", which truthfully should usually give the answer, "I don't know yet." But our often strong emotional response while personally visiting or looking at pictures of the formation won't wait for that answer - so we often jump to a conclusion which justifies our prejudices.

4. By giving too much attention to the "genuine/hoax"

question, we have become distracted from the essential points of the whole crop circle phenomenon.

And what are these? For example, that a direct co-creative connection to an other-dimensional intelligence is having considerable repercussions and implications for present-day humanity.

2. Initial thoughts about some criteria used in estimating sources of origin

Here are some of my personal thoughts (or if you prefer, tentative assumptions or even prejudices) about several categories of claims for genuineness:

1. We need to accept that *both* hoaxed and genuine formations often trigger strong emotions, resulting in psychosomatic responses and mood changes, as well as 'spiritual experiences'. These responses in themselves are therefore not reliable evidence of a crop circle's origin, unless perhaps many individuals have similar experiences unbeknown to each other.

2. Spontaneous precognition of a formation doesn't necessarily mean that it is genuine or hoaxed.

However, if a specific geometrical form and/or landscape placement had previously been visualised by a person or persons, and this was independently verifiable and not disclosed until soon after the crop circle had appeared, I would consider this to be good evidence of it being genuine.

Well-known examples of such a synchronistic effect might be:

Busty Taylor's comment that a crop-circle combining the various shapes of formations up to that time would convince him - and then the ringed quintuplet appearing in the same field beneath him the next day.

The meditation group led by Steven Greer, which had agreed to visualize an equilateral triangle with circles at its apices - a formation with these characteristics then appeared close by soon after.

Several other instances of an apparently interactive nature have also been recorded.

Channelling takes place through the subconscious mind

and personality of the receiver. However, personal traits may affect the ability to accurately filter any material. While the messages can deeply inspire listeners, if the statements cannot be cross-checked, how is it possible to assess their reliability?

3. Symbols relating to past esoteric philosophies and those of a mathematical nature can be found in books and reproduced, so a previously known symbol's sophisticated connotations are not themselves evidence for a crop circle's origin.

4. There are no corroborated genuine photos of the source behind balls of light or descending light columns. Yet there are plenty of anecdotes about UFOs in the general vicinity, descending black clouds and mists which have obstructed the view, etc. I therefore suspect that any such initiating source chooses not to be photographed.

Balls of light are a tricky matter, because they are often demonstrably responsive to the emotions and thoughts of witnesses. This co-creative quality might make them likely to also appear at hoaxed circles, if the latter become foci of psychic energy or the people involved there are 'charged' enough.

5. Wild animals' reactions to electromagnetic changes or radiation in or over a crop circle are convincing evidence: In Canada, a flock of birds was seen to divide and fly around a crop circle's extension in the air. Dead animals have also been found, such as the squashed porcupine in Canada, and the many dead flies stuck by their tongues to wheat ears in England.

6. Likewise the consistent drainage of electric batteries and the malfunction of all sorts of electronic and photographic equipment must serve as trustworthy evidence. Since dowsers use their own bodies as detectors, different dowsers might get contradictory subjective results in the crop circle field.

7. Changes in the chemistry of the soil underlying crop circles, in the cell structures of stalks, germination differences, and similar changes, are all evidence of genuineness.

8. The tendency in recent years to elevate the status of hoaxers to 'land artists' or inspired 'oracles' ignores their evident efforts to deceive and their exaggerated and often false claims. The effect of this has been to disillusion many people and thus to seriously hamper open and reliable research.

9. As a rule of thumb, I would suggest researchers not to base their trust on the reputation or brief conclusions of so-called 'experienced' researchers. They often use their own short-cut judgment criteria, to save the lengthy and often tedious efforts of investigating all the details of a crop circle. By doing one's own research, using all available material, information, etc, one's own conclusions are likely to be more reliable.

3. Specific suggestions

1. The plant anomalies identified by the US-based BLT (Burke, Levengood and Talbott) team have been found in over 90% of the several hundred cases tested in their laboratory.

It is important for the BLT team to openly publish a summary database of those formations which contained anomalies to a significant degree. This would be easy to do, and *no one else* has that data! Then we can compare those formations. Not doing this is like hoaxers not telling which formations they've made. The degree of released lab-found details for the individual cases is a less urgent issue initially. *(BLT have already published much of this information on their website – Ed)*

Secondly, it is important to test material from a number of complex European-documented hoaxed formations. It is not a sufficient control for BLT to flatten some simple circles themselves and test them. It needs to be demonstrated for certain that blown nodes, for example, are never found in British hoaxed formations.

Some experts in biology and agriculture, including experienced farmers, need to be asked to corroborate that blown nodes etc. do not spontaneously appear in normal fields. Seems obvious? An older farmer once told me that decades ago, it was well known that twisted or malformed growth occasionally found just beneath seed heads (claimed by some to be a new form of crop-circle anomaly) are an after-effect of insect damage. However, younger farmers, who usually only enter fields on machinery did not notice or know that.

2. Let us gather all the known eye-witnessed genuine' cases, and examine and compare their details. What can we learn from them?

3. Carefully checking and prioritising the combined lay details. Finding those formations where these details in construction or intricacy is too minute to be reasonably reproduced by mechanical means (stomping etc).

Examples being: those crop circles with a row of single stalks, or with impractical types of systematic several-layered weaving, or with the necessity of making arcs from fulcrum-points within an untouched area of the field, or with the lack of any underpaths to the centres of large off-tramline circles, or with stalks bent throughout at knee-height.

Here again, it's important to carefully examine and compare both the lay details, the condition of the stalks, and the specific geometry of known hoaxed crop circles. They're an unintentional gift of comparison!

Allan Brown's idea of prompt on-the-site, detailed analysis of the lay at the key construction points necessary for hoaxing is wise, just as I suggest searching for necessary underpaths etc. shortly after a formation's harvest.

4. In summary, the fast-food and me-first mentality of our times, manifest in the rushed descent upon and oogling new Wiltshire crop circles, repeats itself each summer, as do a number of stereotyped quick-breathed dialogues and hasty judgments. The cross-disciplinary study of a few crop circles agreed from many criteria to be most-likely genuine would give us more reliable results - as did for instance the Chilbolton code and face of 2001, chewed over for months by many researchers.

Book Review

Crop Circles by Lucy Pringle

This rather uninspired title of a book published by Pitkin as one of their guides, hides what is an excellent book for a beginner. Just how many books can we have which are entitled (Crop Circles, without being totally misled? As a beginners guide to crop circle research, an introduction to the subject, particularly from Lucy Pringle's research viewpoint, it is an ideal starting point. It is also an ideal refresher course for the rest of us.

Well written, lots of colourful photographs and illustrations. Most croppies will buy it for the photographs, more or less in chronological order, the book follows the development of the phenomenon from its historic record to its futuristic implications.

Precious little new material, but there is some, so croppie old hands may find it less than satisfying, but as with other Pitkin Guide books it really is aimed at the newcomers to the phenomenon and they will be well rewarded. An ideal

5. We can choose a new starting-point, and to move from there in the direction we find most important. One useful goal would be to collect a great many crop circles which have convincing evidence for genuineness (found by interrelating the field-work in them, their photos and videos, report details, lab-work, eye-witness accounts, etc.), in each case referring to all known available documentation and credible literature about them so that anyone can check the evidence.

I have made a very humble start by collecting 14 good candidates for genuineness with their evidence in brief (but lacking a comprehensive source-list of documentation for each) at:

<http://www.korncirkler.dk/cccorner/realthing.html>

When a more comprehensive "positive" list of in-all-probability genuine crop circles has been combined, we can analyse in depth those on which we agree.. Each interested investigator, using his or her own expertise, can compare, for example, the apparent symbolic meaning, photographic evidence of the geometry, lay, placement etc as well as sizes, chronology, etc., to see where this leads us.

Feel welcome to write. E-mail: korncirkel@yahoo.co

gift for a beginner or newcomer to crop circles, a pity there was no bibliography to indicate further avenues of information and research.

A small limp covered booklet of 32 pages plus the cover 26cm wide by 19cm high, it will be more at home on your coffee table than your bookshelf. ISBN 1-84165-138-9 Pitkin Guides are published by Jarrold Publishing of Andover in the UK.

The real clincher is the price: £3.50, and at that price croppies will buy it for the really excellent illustrations which form the major part of this publication. Let us hope that Lucy will have the opportunity of writing another aimed at dyed-in-the-wool croppies very soon; a little bird tells me she might be thinking about it

George Bishop.

BLT – their origin, achievements and critique.

Nancy Talbott, (A King)

Arguably the only consistent, and still ongoing, effort to investigate the crop circle phenomenon in a scientific manner has been that undertaken by the Burke, Levengood and Talbott (BLT) team, operating from Dr Levengood's laboratory at Pinelands, Michigan and from Cambridge, Massachusetts in the United States. With a beginning in the early '90s, they have continued with this investigation up to the present, having published several peer-reviewed papers in the process. Let me now allow Nancy Talbott to take up the story and in her own words describe the history of how the team developed and what it has achieved up to the present.

Over to Nancy

Levengood began his investigation into the crop circle phenomenon back in 1989, I believe....his wife had seen a TV program about the circles and told him about it. Subsequently the program was re-run and he was able to see it for himself. He was curious enough to get in touch with Pat Delgado (who had apparently appeared in the TV show) and, beginning in 1990, Pat Delgado began sending Levengood some plants taken from various formations. That early investigation was not highly organized and no particular protocol was in effect, other than the fact that Levengood had asked for controls as well as samples from the formations that he was investigating.

At the same time John Burke (in New York) had heard about the circles and was beginning to be interested in them. I found out about them in 1990 and immediately wanted to know more, but it wasn't until 1992, I think, that I actually got to go to the UK, saw the formations in the fields myself, and heard about the American scientist (Levengood) who was examining the plants. When I got back to the U.S. I immediately contacted Levengood and went to see him at his laboratory in Michigan to see what he was doing there, it was when I first learned about John Burke's interest. I don't remember exactly when we all got together, but it was soon after that and we decided to pool our resources to study the phenomenon more thoroughly. Levengood, of course, could provide the scientific expertise and do the work on the plants, John had access to a number of good scientific libraries and could carry out literature searches, and was also very interested in the theoretical aspect. I had organizational skills (to set up a reporting network, organize field-sampling teams, develop

sampling protocols, arrange for shipping of samples, etc.), money (to pay for the phone bills, the xeroxing of protocols & reports, the rental of space to dry down plants, the travel expenses, actual payments to some of the professional samplers, equipment for the lab and the field, etc.) and also good editing skills, which were put to use working on the reports.

So we began an informal collaboration in an attempt to really gather serious professional data. Because people began to want to have a name to refer to when talking about our work, I came up (jokingly) with the name "BLT Research Team,".....because it represented the first letters of our last names and because there is a popular sandwich in the US known as a BLT (for bacon, lettuce and tomato)....which I thought would make the name easier for people to remember. At the time it didn't occur to me that we would accomplish as much as we did or that we would become as well known as we did.

I was able to slowly establish contact with and train reporting/sampling teams in many different countries over the years and these teams (as well as myself and upon occasion John Burke and WCL) sampled about 350 formations in 8 different countries up until 2002. About 250 of these formations were sampled in-depth and the lab work was done and reports written; of the remaining formations many were sampled more casually, or inadequately, and therefore no final reports were issued.

By 2002 we had published, as you know, three papers in the scientific literature and WCL was not as interested as he had been in doing more of this work.....as he said to me several times, there was no need to repeat the same work over and over, particularly since he (we) had already published the results obtained. He was interested in pursuing other interests. And I think he felt that he had done as much as he could in this area, at least with his original approach.

All of the early BLT work (1990-2000) was carried out more or less in the same way: WCL did the lab work *pro bono*, out of his personal interest in the circles. Burke did his library research *pro bono* too. And I did my work in the same spirit. It was my money, though, that paid for all of the communication expenses, the travel, the hiring,

training etc. of the field teams in a number of countries, the rental of barns (to dry down materials), the production of the lab reports & mailing them out, etc. I spent so much money at the xerox place reproducing the "BLT Info Pak," the published scientific papers and the Lab. reports that I could have bought the shop! When I look back, I should have. I literally sent out thousands of copies of those reports, all over the world. My receipts for those expenses total nearly \$350,000. At which point I ran out of funds.

In about 2000, Laurence S. Rockefeller contacted me, requesting that I come to New York and tell him about the BLT work and our results. I did so and Mr. Rockefeller asked me to present him with a proposal for a future project. Eventually he funded the XRD study, which I and several new scientists completed in 2003. This study, which examined specific clay minerals in crop circle soils, found an increase in the crystalline structure of these specific clay minerals (illite/smectites), a result obtained at the 95% level of confidence. Furthermore, the study found that the plant changes (apical node-length increase) documented by Levengood (in the study case) correlated with the increase in crystallinity of the clay minerals (documented by the new scientists) at the same sampling locations at the 99.2% level of confidence.....a finding which strongly supports WCL's statements that node-length increase is a significant predictor of exposure of the crop circle plants to an energy OTHER than direct mechanical flattening of the plants. This entire study is finally being put up on the BLT web-site (www.blresearch.com) and I hope to have it completed in the next 2 months, so it is available to everybody. The reason it has taken so long to get it up is that I don't have the money to pay a web-person to do this work and I am unable to do it myself. Doug Rogers, from Connecticut, has now donated the money to BLT for this work, which is why it is now getting done.

Mr. Rockefeller's funding of this study was dependent upon my incorporating BLT as a non-profit, tax-exempt U.S. corporation. It took quite awhile to get the tax-exempt status, but we finally did. While this was in progress I was actively recruiting new scientists, in new disciplines, who would consult for BLT Inc. As you'll see on our web-site (Consultant's Page) we have added several new professional scientists to the Team, and recently we have started to work with several others, whose names will eventually also be put up on the web-site. Mr. Rockefeller's donation was intended only to pay for the XRD study and, since he is now quite aged, he is no longer involved with the BLT effort.

A number of other financial donors do contribute to the BLT Team, most of who wish to remain anonymous. Doug Rogers, who has paid for the XRD study to be put up on the web-site, will be thanked publicly when the study is finally up on the site.

The work is still continuing. The BLT effort is geared more toward the effect on soils now, since we have a number of geologists and mineralogists consulting with us. The plant work done by Levengood has pretty much established the basic plant changes, at least those that can be determined by a biophysicist. If in the future we can attract a plant geneticist, or a plant pathologist, or some other plant specialist we would aggressively pursue those avenues, but at the moment we have the expertise of soil people, so we are taking advantage of their specialities while we can.

As you may know, I went to Poland last summer for several weeks. I am now writing a report on our findings there (which were quite incredible, and which included another eye-witness account of a crop circle forming) and am also working on a report which will present a new plant finding from this last summer. We discovered a new and very dramatic plant change in several formations in North America last summer, but there is a lot of work to complete to clearly demonstrate the results. These reports take a great deal of time to prepare (getting the data takes a long time...writing the reports not so long) and – always - my problem now is getting the reports up on the web-site once they are written, because of the cost involved. A lot of people seem interested in funding the actual research, but very few have donated money to pay for getting the results out to the public (i.e., getting the results put up on the web-site). I do still produce "hard copies" of new studies/reports, but can't afford to send dozens or hundreds of them around by mail as I once did.

Also, one of the new consultants is building some equipment which we hope to be able to take into crop circles next summer to try to measure, or obtain some data, on the apparent "remnant energies" present at some crop circles after they have formed. This new consultant, who is an electrical and mechanical engineer who worked on the THOR missile, Pioneer, and the orbiting geophysical laboratory, has an idea which he thinks we may be able to utilize in obtaining data about these strange energy fields. Because he suspects that normal electrical activity may be compromised in these situations, the project is difficult to design, but he believes that we may have this new equipment to take into the fields and try out next summer: We'll see.

Eventually (God willing and if the money is available) all of the crop-circle-related reports will be on the BLT site. I can send "hard copies" of things to people, but they'd have to pay for them nowadays, as I simply don't have the funds.

A recent TV show screened in the UK was supposed to be an attempt by MIT students to "duplicate" three established plant/soil changes documented by the early BLT work. The producer of this show approached me, and like an idiot I thought he might actually be trying to do a good show. I chose the three parameters the students were supposed to try to replicate: (1) apical node-length increase, (2) creation of expulsion cavities, (3) presence of 10-50 micron-diameter, magnetized, iron spheres in the soils, deposited linearly.

I met with the students (who had been chosen by the producer) at MIT and went over these three parameters very carefully with them. So far as I knew, they were supposed to try to replicate these plant/soil changes while making a crop circle somewhere, then they were supposed to submit sample plants and soils to me so that I could evaluate whether or not they had achieved their goals.

Apparently they were unable to get ANY node length changes, so the producer just cut that part out of the show.....and I don't think they got expulsion cavities either, because the only shot they showed in the TV show was from so far away you couldn't tell if they had one or not.

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Comments and critique

I have a substantial admiration for the members of the BLT team, for what they have achieved in organization, pure hard work and effort, and – evidently - having spent a great deal of their personal finances and time to conduct and support this investigation. However, I have to address, in this review, criticisms made by the late Monty Keen in 1994 on the conduct of the (then) experimental processes in this investigation. This unpublished review by Mr Keen, is entitled "Anatomical Anomalies on Crop Formation Plants - some comments on Mr Levensgood's paper in *Physiologia Plantarum* 92: 356-363, 1994". I will briefly summarise Keen's comments:

Keen begins by setting out this premise:

"Levensgood asserts that a number of tests have yielded statistically significant evidence of anatomical alterations irreconcilable with a hoax hypothesis".

At any rate, no samples were ever submitted to me. So far as the soil effect went, they did build a "particle projector" attached to a portable microwave unit and they did put iron filings into this gismo and then shoot them into the air over the crop circle. However, they never produced the rounded, spherical shape, nor were they able to recreate the size (10-50 microns), and so far as I know they weren't magnetized, much less distributed evenly. So the TV producer did what they all do - he glazed over the facts and went with "drama."

It was a fun show to watch, and I laughed a lot watching that fire-breathing gismo out in the field, thinking of it in the Vale of Pewsey.....but I was appalled at the statements made by both the announcer and the students. I will never do another of these unless I have it in writing what they intend to do. If they say they are going to do a real experiment, they are going to have to put it in writing as to exactly who gets to decide that they have, or haven't, obtained the goals outlined.

Time to close. There is a lot going on here.....in addition to the crop circle work I have been working on a couple of cases not directly crop-circle-related (although crop circles do play a role). Again, a lot of analysis is in progress, but it's not finished yet or ready for the public.

*Nancy Talbot BLT Research Team Inc.
(www.bltresearch.com)
June 2005*

And,

".....from September 1991 onwards, there was mounting circumstantial evidence of hoaxing on a large scale...."

"....The absence of any satisfactory non-human explanation is so far-reaching, indeed revolutionary, as to justify critical analysis of both the framework within which Levensgood's work has been conducted, and the methodology of the work itself...."

"The principal question addressed by Levensgood is that of authenticity: can one or more method be discovered to show conclusively from the sampled crops that the formation could not have been man-made? Levensgood claims that certain anatomical alterations cannot be accounted for by hoaxing...."

In Mr Keen's opinion:

"..... the procedure and analyses he has employed warrant far more critical scrutiny than would normally be expected where the likely explanation of the phenomenon disrupts no accepted rules...."

Questions were raised about sampling criteria, the accuracy of measurement and selection of pits in cell walls. Also as regards the suitability of his controls when examining differences in embryo development in seeds between plants affected and unaffected by circle-making energies.

Regarding Levensgood's findings in the August 1992 'Dharmic Wheel' formation:

"It is indisputable that, whatever the origin, it could not have been created by natural forces. It was either a hoax:or it was a most profound and significant mystery resulting from energies directed by an intelligence of whose nature, location, existence or mechanism science has no hint. Levensgood found that samples taken from the inner circle displayed significantly higher (P<0.05) growth in the seeds and larger cell wall pit sizes compared with three controls....."

Keen concludes that:

"Significant changes in either the speed of germination or the rate of subsequent growth would appear inherently improbable, even though samples were taken three or perhaps four days after the formation was made.The moisture content was relatively low, and the seed mature, and the weather had been dry. In such circumstances a significant difference in neither germination speed nor growth rate would appear likely." However, he goes on *"...but such differences as were apparent might well be attributable to the effects of higher ground moisture, greater shading and less ventilation during the interval between flattening and sampling"*.

While perhaps excessively critical, Mr Keen has made some

I am reminded of a remark made by another Englishman, the wise and witty Bertrand Russell:"

"What men want is not knowledge, but certainty. And, because scientific knowledge is necessarily provisional, certainty can only be had through belief... and while that remains so, discovery will continue to confound expectations." (emphasis added)

This statement by Bertrand Russell is very relevant to our appreciation of the whole phenomenon, especially so to the argument over the relative values of a purely scientific approach compared to one which also embraces the

reasonable observations, some of which need to be addressed. (This was apparently done, as Ms Talbot's comments show). Granted that it is difficult, if not impossible to rigorously apply scientific methodology to a subject such as this, which is breaking new ground, and prone to human interaction of whatever kind. In the early days Mr Levensgood's intention, indeed that of BLT, was to evaluate a new phenomenon, by whatever means possible, with a scarcity of time and resources, using the expertise possessed by him and his associates. During these early investigations, whatever material that was available had to be used, in an effort to assess which were the most suitable plant characteristics on which to base his evaluations. It was only after these initial investigations had been completed, and with improved organisation, that more rigorous and focused protocols were established. It should also be pointed out that even in the absence of statistically rigorous methodologies, areas for further investigation and probable trends of behaviour had been brought to light. Having thus laid the groundwork for an area of investigation which hitherto had been totally ignored by 'mainstream' science, studies which were subsequently undertaken. Nancy Talbot comments:

"The criticisms of WCL's early work made by Mr. Keen (more than 10 years ago) were answered years ago by WCL and John Burke. I also pointed out Keen's mistakes and misunderstandings in private communications with him, but clearly to no avail.

subjective, metaphysical and parapsychical perspectives. In a phenomenon such as this, one could do well to explore all possible viewpoints.

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In the following three articles, Bradley Bartholomew gives a fascinating account of how recent groundbreaking scientific findings in Russia and Finland may account for crop circles and associated phenomena. He lucidly explains how these findings and the theories developed from them indicate hypercommunication in DNA and its relevance to the transmission of information in crop circles, and how its binary encoding is linked to the I-Ching, BOL's as interactions between group consciousness and the vacuum domain, and how, and why, the Tunguska event in 1908 has many characteristics in common with crop circles. Many other thought provoking connections are introduced in passing.

CROP CIRCLES EXPLAINED ?

Bradley York Bartholomew

The findings of the molecular biologists Dr Pjotr, P. Garjajev and Dr. Vladimir Poponin of the Russian Academy of Science concerning the 'Phantom-DNA Effect' have a radical connection with the formation of crop circles in the United Kingdom and throughout the world in recent times. According to these scientists the DNA is emitting electromagnetic waves that continue to manifest even after the DNA sample has been removed from the experiment. Hence the name 'Phantom-DNA Effect'. The genetic procedures being adopted by these scientists have been commented on and explained by Grazyna Fosar and Franz Bludorf in their book *Vernetzte Intelligenz!*, who have put forward the theory that self-radiating balls of light often seen in the sky and mistaken for extra-terrestrial visitors are in fact a group consciousness phenomenon brought about by hypercommunication within the DNA. This theory by Fosar and Bludorf can also explain the formation of crop circles which are also commonly attributed to extra-terrestrial visitors. In addition it will be shown that the precise technology being adopted by the aforesaid scientists in Moscow represents a new energy source, previously unknown to mankind, that is capable also of creating crop circles.

The sensational discovery of the Phantom-DNA Effect by Drs. Grajajev and Poponin, as described by Fosar and Bludorf, occurred when they were attempting to measure the actual vibration pattern of a DNA sample. They illuminated this specimen DNA with a laser light that produced a typical wave pattern on a screen. However when they removed the sample the wave pattern did not completely disappear. There remained on the screen a regular wave pattern as if there was still a material sample of DNA being illuminated. A control experiment demonstrated that this secondary wave pattern must still be coming from the original DNA sample that was removed. The control experiment had no DNA sample placed in the radiation beam and only a random pattern was produced on the screen. This phantom DNA effect is always repeatable when a DNA sample is used.

Fosar and Bludorf also describe other findings of this Moscow Group particularly concerning the 90 percent of human DNA that does not code for protein synthesis, and is therefore considered to be biologically inert. They point out that these days we refer to the DNA quite naturally as a 'genetic code', and we look upon it as a systematic encoding of information. Yet at present main-stream geneticists remain committed to examining the DNA exclusively through chemical processes instead of bringing in speech and linguistic analysts which would normally happen when you are attempting to decipher a code.

Not so in Moscow, however. Here the genetic code is being examined precisely as an exercise in linguistics. This is the science of the structure and construction of speech. It can be used to explore not only natural speech that has evolved in individual countries and cultures, but it can equally be applied to artificial speech, for example computer programming languages.

By examining speech one ascertains the basic rules of syntax (the creation of words from letters or characters), of semantics (a study of the meaning content of words) and these together make up the foundation for a grammar. By applying this scientific form of linguistic examination to the genetic code the Moscow group has found that the DNA follows similar grammatical rules as human speech; not the rules of a particular language (in this case for example the Russian language), but at a more fundamental level the DNA does follow the rules that contain the common features for all languages. What they have found is that there is an essential relationship between the structure of the genetic code and all the languages of mankind. For centuries scientists have been speculating on a human protolanguage, and it may well be that Pjotr Garjajev and his colleagues in the Moscow group have actually found it.* (see next article)

Fosar and Bludorf tell us that we must think of the normal relationship in reverse. The structure of DNA does not correspond to human speech structures, but all human language rather follow the pattern of the genetic code.

After all DNA and the genetic code existed long before the first human uttered the first word. So the human languages that have evolved since the advent of humans must have followed the grand pattern that was already laid out in the structure of the genetic code.

Fosar and Bludorf warn us that this is not a question of an orthodox material worldview, according to which the facility of speech is merely a secondary effect of being bodies constructed of proteins that are coded for in some genes. The arrangement of the elementary bases in the DNA itself follows a fixed grammar, an ethereal plan, to which our human language is analogous. That this is not a question of a bodily event is already demonstrated by the following finding of the Moscow group, namely that the analogy between the structure of the DNA and human language is particularly pronounced in the particles of the larger molecular structure that actually serve no purpose for protein synthesis.

Herein lies a revolutionary discovery for the entire field of genetics. Those who are only interested in examining the known genes, and derogatively dismissing the rest of the genome as 'junk DNA', are possibly missing what is really fundamental. It is truly a paradox says Fosar and Bludorf, for it is precisely the 'dumb DNA' that is actually speaking.

According to Pjotr Garjajev: "The majority seek to understand the principles of DNA-Biocomputers in which they refer exclusively to the DNA-Watson-Crick-Rules: A-T, G-C. That is correct, but it is not enough. The DNA-Chromosomal continuum in living systems has wave attributes, that have remained elusive to us, and that are like a computer program for the structure of organisms. The known genetic code is a code for protein synthesis, and nothing more. Living chromosomes however function just like solitonic/holographic computers using the endogenous DNA laser radiation."

Fosar and Bludorf list some of the extraordinary consequences of this new approach to genetics which has been pioneered by the Moscow group. They were able to modulate certain frequency patterns into a laser beam in such a way as to influence the DNA frequency, that is to say they could influence the genetic information itself. It was not necessary to painstakingly decode the sequences of base pairs in the DNA, and thereby artificially formulate genetic information. Quite simply these Russian researchers were able to use the words and sentences of human language to change the information in the DNA once they had ascertained the basic structures were synonymous.

The Moscow group was able to prove this astounding procedure experimentally. DNA substance *in vivo* (i.e. living tissue, not *in vitro*) reacts to the speech modulated

laser light, as well as radio waves, provided the correct frequency is found. They were able to direct the information pattern from one DNA sample on to a different sample, and thus able to effect a transmission of the genetic information. This function can be demonstrated in natural cells in various ways. Garjajev and his colleagues have already succeeded in this manner to reprogram cells with information taken from a different genome. Specifically they have managed to convert frog embryos into salamander embryos simply by exchanging the information patterns in the respective DNA. They have therefore demonstrated a radical new way of interacting and even communicating with the DNA through voice modulated laser beams. This has to be seen as a totally new form of energy which has been discovered and harnessed, that opens up virtually unlimited possibilities for the evolution of life not only on earth but throughout the Universe.

Fosar and Bludorf also relate the findings of the Russian physicists Alexej Dimitrijevič and Vjatcheslav Džatlov. These two were commissioned by the Russian military to investigate the many sightings of self-radiating balls of light that appear regularly in Siberia on the border with China. They came to the conclusion that these UFOs were actually caused by vacuum domains where gravitational forces can change into electricity, and vice versa. This theory introduces a sensational new element into the New Physics because it opens up the possibility of hypercommunication through stable wormholes into other parts of the Universe.

The theory however has radical implications for the functioning of DNA as well. It is now known that DNA functions as a superconductor at body temperature and is able to store light and information. Fosar and Bludorf have come up with the theory that the DNA itself acts as an intelligence network which enables hypercommunication via these wormholes. Effectively then these sightings of mysterious balls of light in the sky can be explained as a phenomenon based in group consciousness brought about by hypercommunication through the wormholes in the DNA. In this way they are able to explain the often reported experience of people who have seen them, that the balls of light are in various subtle ways interacting at a psychic level.

Topological Geometrical Dynamics (TGD)

In order to demonstrate the connection between wormholes in space and wormholes in the DNA, Fosar and Bludorf refer to the theory of the Finnish physicist, Matti Pitkänen, who some years ago formulated a new theory about the construction of the universe, based on an eight-dimensional space geometry. The theory is called Topological Geometrical Dynamics (TGD). In this complex theory magnetic wormholes play a very

significant biological role. In fact the innovative thrust of his theory is to establish a scientific link between Physics and Biology. His theory leads to a cosmology of sentient beings. Contained in the DNA is much more than simply the instructions for synthesizing proteins for the construction of living cells. These powerful genetic biomolecules also contain the data for the operation of magnetic wormholes as biological communication channels.

Pitkänen has come up with a genuinely new approach of incorporating the mental concepts of consciousness and perception into the New Physics. According to Pitkänen, Wormhole-Magnetic-Fields, which present as Space-Time-Layers, are contained in the normal biological material, and are excellent candidates for a physical explanation of perception. Magnetized wormholes can really be seen as the quintessential living system. Fosar and Bludorf explain that Pitkänen's TGD theory demonstrates the long suspected connection between gravitation and consciousness – namely, that gravitation and consciousness represent antipoles. It even suggests that Gravitation is a fiction, evidenced by the fact that gravitational force can be converted into electricity (i.e. electromagnetic vibrations synonymous with brain waves) in vacuum domains. Here is the explanation how self-radiating balls of light can enter into telepathic communication with observers.

There is a lot of material on the internet concerning the ability of DNA to react to various vibrations and electromagnetic waves. Much of this material seems to be based on the findings of Popp² that DNA emits quantum coherent photons. The Institute of Heart Math at Boulder Creek, Colorado presents published articles concerning the modulation of DNA by heart frequencies⁴. There are theories about DNA resonance actually emitting information as well as acting as antennae. In a particular experiment conducted by Vladimir Poponin it was found that DNA will cause randomly dispersed light photons in a vacuum to line up in an orderly fashion in alignment with the DNA. In other words the DNA was having an effect on the light particles that are in its external environment. Other experiments describe how DNA removed by as much as fifty miles from the biological donor will show identical and simultaneous responses to the changes in the emotional state of the donor. There is no lag time whatsoever. In other words, as argued by Fosar and Bludorf, there is a simultaneous hypercommunication within the DNA. It may be reasonably predicted that samples of DNA taken from astronauts travelling in outer space would likewise display this hypercommunication ability.

In his book, *Secrets in the Fields*, Freddy Silva⁵ argues that the energy behind crop circles is natural, and “that an

intelligent source is able to control it to a very high degree. How else can we explain a ‘natural phenomena’ that selectively avoids houses, towns, gardens, and parks? That produces hundreds of geometrical and philosophically significant shapes of great complexity? That interacts with, even reads, the minds of its human observers.”

According to Fosar and Bludorf therefore this natural energy is brought about by hypercommunication via magnetic wormholes in the DNA. The crop circle is a group consciousness phenomenon. Dr Poponin³ himself states: “Perhaps the most important finding of these experiments is that they provide an opportunity to study vacuum substructure on strictly scientific and quantitative grounds. This is possible due to the phantom field's intrinsic ability to couple with conventional electromagnetic fields.” This surely has to mean that the waves emanating from the DNA are resonating with external electromagnetic fields. This implies as a matter of logic that these waves from the DNA are capable of changing and directing the external electromagnetic fields. Again to quote Dr Poponin: “This model is suggested as the basis for a more general nonlinear quantum theory which may explain many of the observed subtle energy phenomena and eventually could provide a physical theory of consciousness.”

The geometrical and philosophically significant shapes of the crop circles can be explained, as pointed out by Fosar and Bludorf, in terms of Jungian archetypes in the collective unconscious. This also of course explains a very essential element of crop circle phenomena, namely that they seem to interact with the psyche of the human observers. Hypercommunication through magnetic wormholes in the DNA could not fail to impact on the psyche of persons observing the formation of these crop circles in a group consciousness experience.

Another essential characteristic of crop circles is that they appear to have been formed by some form of electromagnetic energy. According to Professor Charles Thomas⁵ who visited crop circles in Wiltshire and Cornwall in 1991/92, “The process of crop circle formation in these cases appears to have produced a local magnetic anomaly detectable with a reliable instrument. One could add the comment that the anomaly appears to be linked to the direction in which the stalks are flattened and that the strength of the anomaly appears to vary with the distance from ground level. There may be a suspicion that the magnetic field is created at the time of the formation and decreases through time.” Freddy Silva documents many incidents where all sorts of electrical and mechanical equipment has malfunctioned precisely when taken into a crop circle, and then resumes normal functions as soon as it is removed from the immediate vicinity of the crop circle. The engines of aircraft flying

over crop circles have even been known to malfunction. According to the theory of Fosar and Bludorf these crop circles appear precisely as a result of hypercommunication through magnetized wormholes in the DNA, and this would explain the electro-magnetic anomalies aspect of this phenomenon.

The stems of plants within a crop circle are bent in a manner which cannot be explained by conventional science. Crop circles have appeared in wheat, canola, barley, rye and linseed as well as many other cultivated crops. With a number of these crops any attempt to bend the stalk will result in it snapping (*or, more often, kinking* – Ed.) However all plants in a crop circle have the stem permanently bent, and yet apart from that they remain alive and well. As regards the walls of crop circles⁵, “this force is capable of incising pictograms containing over a thousand elements with surgical precision, covering areas of up to 150,000 square feet, and with such unerring accuracy that ‘curtains’ of wheat one stalk wide are sometimes all that separate one circle from another. The perimeter walls resemble the seamless curve of a drum, and where inward-curving walls meet inside a design, the central point can be defined down to a single stalk.” From this description it is abundantly clear that the force that creates these crop circles has to include precision laser beam technology. The same technology that is being used by the Moscow group in their experiments with DNA vibrations.

The floor of crop circles consists of plants that have been flattened, but are otherwise undamaged and unharmed. The flattened plants can be woven into complex spirals and swirls, and there can also be several layers of densely interwoven stalks resembling interrelated wave patterns. Generally any attempt to pry the interwoven plants apart will destroy them. The flattening process can also exhibit extraordinary selectivity. Different species of plant can be left standing amongst an otherwise flattened crop. The selectivity can even extend to plants of the same type and age which are left standing amidst flattened crop. This again recalls an aspect of these experiments on DNA by the Moscow group, where it is found that the DNA will only respond to vibrations of exactly the right frequency. It is only technology of this sophistication that can explain how some plants can be deliberately spared the flattening process on the floor of a crop circle.

Laboratory analysis⁵ has revealed the crystalline structure of the flattened plants has actually been changed by some force. Even more significant is the fact that the DNA is considerably different from the plants that have not been flattened. In other words the force that has flattened the crop had the exact vibrational frequency necessary to modify the information patterns in the DNA. The laboratory analysis also found that the seeds and the

germinating process of the affected plants had been changed. Although the plant itself was unharmed, this force had made substantial changes to the plants’ natural regenerative processes. It is suggested that this kind of change can only be brought about by tampering with the information patterns in the DNA of the plant. As regards the flattening process itself, the laboratory analyses undertaken by Dr Levengood concluded that an energy source “originating in the microwave region had boiled the water inside the plants’ nodes, effectively transforming it into steam.” Again indicating that electromagnetic waves of a certain frequency are involved, and from the statement by Dr Poponin above we know that Phantom DNA has the ability to couple with conventional electromagnetic fields. In this way the force can modify biologically inert matter such as soil and rock as well as boiling water.

Freddy Silva reviews the evidence of eye witnesses to the formation of crop circles when the most consistent observation seems to be that there appeared a ‘tube of light’. Silva himself concludes that it is something like a laser beam, and he quotes observations of the Russian metaphysician P.D. Ouspensky that the ray of light can be transformed “into a spiral, into a hollow cylinder” where the photons lie close to one another lengthwise “with two kinds of thread”. Silva concludes, “Regardless of what we call the energy inside those tubes, it seems to send a ‘code’ which tells plants what to do and when.” This light energy is clearly analogous to the voice modulated laser beam that the Moscow group is using to modify the information patterns in DNA. Putting aside for one moment the actual source of the energy, it is almost certain the energy that is creating crop circles and the energy that the Moscow group is using to modify DNA is one and the same.

There have also been many reports of a very distinctive sound that is heard when crop circles are being formed. Freddy Silva refers to the findings that music can actually cause plants to move towards or away from the source of the sound. It has also been found scientifically³ that spiritual musical chants resonate with the DNA. Silva refers to references in ancient religious scripts that the Sanskrit language is sacred because it is ‘the language of light’, and its characters were considered to be ‘the sounds of light’. The geometrical vibrations in language were not only believed capable of harnessing the power of light, but also were capable of actually creating matter. Here again we find exactly the same principles being applied by the Moscow group using voice modulated laser beams to modify the information patterns in DNA. Sanskrit may be the source language for Indo-European languages, but obviously all language has this ability to resonate with the DNA.

Effectively the researchers in Moscow are talking to the DNA through these laser beams, and the DNA is responding. There is communication. With these crop circles the DNA is demonstrating to us how sound vibrations contained in beams of laser light can create intricate and intelligent patterns in organic external matter simply by modifying the information patterns in the genome of the plants. It may even come to pass that once the significance of crop circles is known, they will begin to contain even more sophisticated patterns to better enable us to decode the DNA.

At the conclusion of his book, Freddy Silva refers to the published channellings of a clairvoyant, Isabelle Kingston. In 1989 she had contact with a Universal Consciousness, called the Watchers. This was before much of the recent upsurge in crop circle activity. Amongst other things, she was told by the Watchers that “the energy has been put through crop circles through thought processes”. She was also informed that “this new source of energy is now being created and certain beings are being prepared to understand the messages being projected at this time. Power is being created through the intellect of the scientist, knowledge is being awakened; some scientists are very close to the answer – an energy machine. This energy is only partially linked to magnetism. It is linked to the illusion of time. Rather like thought-transference, man will be able to change the molecular structure of things, including himself. Within the energy-pattern of the circles we give you this information.”

Not long after this channelling experience by Isabelle Kingston, the crop circle activity started to appear in

earnest, and around about the same time the Moscow group of scientists came together to commence their experiments with the DNA using voice modulated laser beams produced by a ‘MALVERN’ Laser Photon Correlation Spectrometer (LPCS). This laser technology – *the energy machine* – was literally a new form of energy which has the capacity to change the molecular structure of all things. While they were developing this energy, the divine intelligence in the DNA was creating these crop circles using exactly the same source of energy, as a means of demonstrating to us how the Universe was created in the first place, and how it may now be modified and colonized.

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The *Tao* of Crop Circles

Bradley York Bartholomew

The *tao* of crop circles is about the ‘way’ crop circles are created. In order to understand the *tao* we must appreciate that frequencies are at the basis of all life and that the ancient book of Chinese wisdom the *I Ching* really sets the pattern for living beings in the harmonious interplay of the *yin* and the *yang*. The *I Ching* is supposed to be an explanation for all things, and so contained within its doctrines there must be an explanation for crop circles. Within the context of frequencies, the harmonics of the *yin* and the *yang* and the mystical and mysterious properties of light, are to be found the earliest formulation of a binary code in the *I Ching*. The modern age of computer technology also has as its sole foundation this very same binary code. Should it also be established that a binary code is likewise at the basis of genetics and molecular

biology then you really are looking at the explanation for all things in the *yin* and the *yang*. In this article we shall examine the relevance of the *I Ching* to circles. We shall learn precisely how the *yin* and *yang* is delivered to change the metabolism of the crop and to create the patterns and designs.

There is considerable evidence that a characteristic trilling sound is heard when crop circles are being created. This trilling sound is also said to be related to a tube of light. It is generally accepted that the information being conveyed in these resonating cylinders of light is responsible for the creation of crop circles. Freddy Silva in *Secrets in the Fields* presents a theoretical diagram representing the tube of light that creates crop circles. The wall of the tube is

created by a transverse electromagnetic wave and within the tube flows a longitudinal wave of sound. See *Figure 1*. This diagram is a composite of several crop formations. The electro-magnetic wave shown is suggested by the 'DNA' crop glyph. The magnetic shielding is shown by the 'Beltane Wheel' crop glyph and the 'ring torus' crop glyph depicts the 4° shift in the magnetic field. Silva says: "The sound wave appears to travel within a spiralling tube.

Essentially, the 'DNA' crop glyph describes much of its own formative processes, and perhaps that of the phenomenon of crop circles itself".¹

In recent years the design of crop circles has become much more elaborate, and it also has been observed that the frequencies in background resonance in and around a newly created crop circle has increased dramatically. It has been postulated that the frequency of the background resonance bears a direct relationship with the sophistication of the design – that is to say, the more sophisticated the design, the more information has to be conveyed in these resonating tubes of light. Readings in background frequency abruptly changes on crossing the perimeter of a crop formation. For example, the readings outside the Silbury 'Koch fractal' were around the mid-hundred MHz range and inside the formation the readings shot up from 260 MHz to 320 MHz from the perimeter to the centre.

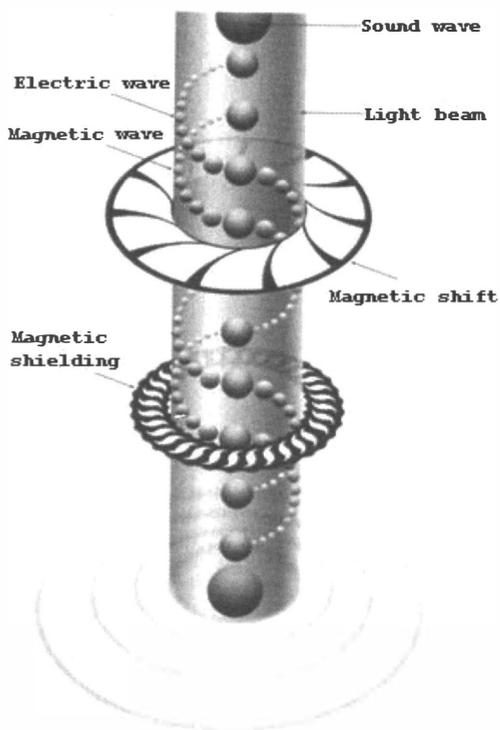


Figure 1

Those readings were taken by Paul Vigay in 1997. "When crop circles made a quantum leap in design complexity

two years later, readings jumped to 540 MHz (compared to a general background range of around 150 MHz); in the 'Nine Crescents' at Hackpen Hill, Vigay detected a whopping 650 MHz."¹

Binary communication and DNA

An article in *Swirled News* describes an attempt to communicate with The Circlemaker in binary code.² This attempt was made in Wiltshire on August 5, 2004, and it is claimed that the crop circle that went down that same night at Lewisham Castle, Aldbourne, Wiltshire, contained a response to the coded message that was sent. The question that was sent in binary code was – 'Do you know of the Circle of Nine Points?' The formation that appeared in response was a 9x9 grid. (see picture below).

The Circle of Nine Points is derived from the Hindu Vedas, and represents the Universe in its gross and subtle forms. The device used to transmit the binary code question into the heavens flashed a white and an orange light. The attempt at communication in binary code was inspired by the 'Alien & Disc' formation that appeared at Crabwood Farm, Hampshire in August, 2002. That formation contained a message in 8-bit binary code, which read: "Beware the bearers of FALSE gifts & their BROKEN PROMISES. Much PAIN but still time. BELIEVE. There is GOOD out there. We OPpose DECEPTION. Conduit CLOSING. Acknowledge." This coded message in the 'Alien & Disc' formation opens up the possibility of communicating with The Circlemaker in binary code, and there have been several attempts since to do this, including the one described above on the night of August 5, 2004 at Adams Grave, Wiltshire. The essential thing to note for our purposes is the possibility of communicating with The Circlemaker in binary code, for it will be argued here that the actual code used by The Circlemaker to create crop circles is likewise binary in nature.

In order to appreciate the significance of the binary code, we shall now have to acquaint ourselves with the experimental findings of a group of Russian molecular biologists concerning the DNA, and we shall then have to look at a book entitled *DNA and the I Ching: The Tao of Life* by Johnson F. Yan.³ We will find that the DNA itself contains binary coded information, and that it is possible to access and alter this information using speech modulated laser light. In other words we shall find out how the trilling sound conveyed in a tube of light that creates crop circles is transmitting binary coded information.

Early in the 1990s Drs Pjotr P. Garajev and Vladimir Poponin of the Russian Academy of Science started experimenting with DNA using laser light.⁴ Their findings led to the discovery of the Phantom-DNA Effect, and in

addition they discovered that DNA substance *in vivo* (i.e. living tissue, not *in vitro*) reacts to speech modulated laser light, as well as radio waves, provided the correct frequency is found (*see previous article for details – Ed*)

By using laser light Drs Grajajev and Poponin were able to project the information patterns from the DNA of one species onto the DNA of another species, and in this way they managed to convert frog embryos into salamander embryos. In other words it is actually possible to transmit the precise information encoded in the DNA using speech modulated laser light. It is not necessary to transplant and splice actual genes in order to change the information in other genomes. The laser light can actually convey the precise information to encode a certain species, whether it be animal or vegetable. Here again it is simply a matter of finding out how the information in the DNA is actually encoded and it will then be possible to change that coding by conveying the necessary instructions to modify in speech modulated laser light.

The Russian molecular biologists in their groundbreaking experiments actually made the observation that the genetic code is much more than a code for protein synthesis. Living chromosomes function just like solitonic/holographic computers using the endogenous DNA laser radiation. The wave attributes in the DNA-chromosomal continuum in living systems are in the nature of a computer program for living organisms. It therefore seems logical to assume that the precise language for storing the information in the DNA is in the nature of a computer code, and a binary code is the obvious candidate.

Crops in which a circle has appeared have been subjected to laboratory analysis by Dr Levensgood which reveals that the crystalline structure of the flattened plants has actually been changed by some force.¹ Even more significant is the fact that their DNA is considerably different from the plants that have not been flattened. In other words the force that has flattened the crop had the exact vibrational frequency necessary to modify the information patterns in the DNA. The laboratory analysis also found that the seeds and the germinating process of the affected plants had been changed. Although the plant itself was unharmed, this force had made substantial changes to the plants natural regenerative processes. It is suggested that this kind of change can only be brought about by tampering with the information patterns in the DNA of the plant. The instructions delivered in the cylinder of light are written in the precise computer language of the DNA. The trilling sound in the light must be transmitting binary coded information. We are all of us familiar with the concept of digital image files generated by computers

and so the proposition that a binary code can contain the instructions for the design of a crop circle is almost a commonplace.

Tao and the I-Ching

For the origins of the binary code we must now step back in time about 5000 years to ancient China. Parallels between the *I Ching* and western science should be, by now, familiar to cereologists. There is the celebrated book *The Tao of Physics* written by Fritjof Capra that points out the similarities between quantum mechanics and the principles of the *I Ching*. There are other books in a similar vein, for example *The Tao of Medicine* by Stephen Fulder. The title of the book by Johnson F. Yan, *DNA and the I Ching: The Tao of Life* could just as appropriately have been *The Tao of the Genetic Code*. Johnson tells us that the original observation that the mathematical structure of the DNA molecule is strictly analogous to the teachings of Chinese wisdom in the *I Ching* was made in 1974 by a certain Dr. Harvey Bialy. Since then other books have been written on the subject, namely *The Coming of the Golden Age* by Gunther Stent and *The I Ching and the Genetic Code* by Martin Schonberger. If The Circlemaker is in our own DNA, then it would seem to follow that it is possible to establish a two-way communication between The Circlemaker and ourselves, via the *I Ching*. We are dealing here not simply with the *tao* of the genetic code but also with the *tao* of crop circles.

The Chinese word 'tao' should really be translated by the English word 'attitude', for we are dealing here with both a subjective and an objective concept. *Tao* is subjective in the sense that it describes one's personal beliefs about the origin and nature of things, and by the same token it is objective in the sense that it attempts to present a rational or scientific explanation for physical phenomena. So when we are talking about the *tao* of crop circles we are really stating a belief that The Circlemaker is the Inner Self located in the DNA, and, at the same time we are stating that the precise 'way' in which crop circles are made is a binary code delivered in laser light comprising the human speech sounds *jin* and *yang*. The *tao* is both the 'belief' and the 'way'.

An essential element of the *tao* is the concept of change. The *tao* recognizes that the human condition is in a state of flux, and the traditional Chinese practices of the *I Ching* have for thousands of years been used as a means of divining the future. This is where the interpretation of 'tao' as 'attitude' is most significant. The *tao* of crop circles will only appeal to those who can cope with the possibility of change. There is no problem here, I think, for cereologists, for we are by definition, and without exception, following the crop circle phenomenon in the expectation that something new, and even profound, is

going to be revealed to us. A lot of us, it is true, are expecting the revelation to come from alien beings, but there is at least an equal number of us who are expecting the revelation to come from within ourselves. From the point of view of the *tao* of crop circles it is not important whether the revelation is external or internal to us, the essential thing on which all cereologists will agree, is that the revelation will involve change. That is to say, a fundamental change of attitude. The *tao* is to be revealed to cereologists precisely because the *tao* is The Circlemaker, and it is only cereologists who will be receptive to this message. Those among us who will persist in believing that The Circlemaker is an alien being can continue to do so, and still accept that the way The Circlemaker creates a crop formation is with a binary *yin* and *yang* code delivered in laser light. As we have seen from the experiments of the Russian molecular biologists, such a 'way' is how The Circlemaker modifies the DNA of plants when a crop formation is laid down.

Taoists and Confucianists traditionally use the *I Ching* as a means of divining the future, and its predictive powers can be applied to such diverse disciplines as medicine, economics and politics. The *Tao* principles can be applied to determine what ails a nation/state or even the whole world. In general terms the *yin-yang* balance is the key to all living organisms and systems, where the *yin* is the feminine principle and the receiver of energy, and the *yang* is the masculine principle and the donor of energy. When the *yin* and the *yang* are in balance there is healthy peaceful harmony, and an unbalance results in disease, friction and conflict. It is not the purpose of this article to go into the predictive or medicinal applications of the *I Ching*, or to advance any opinion whether the traditional uses can be justified scientifically or philosophically.

The fact is that the *yin* and *yang* of the *I Ching* presents a binary code that is synonymous with the genetic code, and it therefore follows that it may be possible to modify the DNA using the binary code of the *I Ching*. We have seen that the Russian molecular biologists have already succeeded in manipulating the DNA using speech modulated laser light. In the experiments they simply spoke to the DNA in the Russian language, and the DNA responded. Presumably it would require a specific code that the DNA recognizes to make precise changes to the plants metabolic structure necessary to create a crop circle, and it is suggested that the *yin-yang* binary code of the *I Ching* would be suitable for this purpose as it would allow for the transmission of the instructions in sound waves based on human speech patterns.

In the *I Ching* the *yin* (feminine principle) is represented by a broken line, and the *yang* (masculine principle) is

represented by an unbroken line. As a binary code these equate to 0 (zero) for *yin* and 1 (one) for *yang*. In the *I Ching* the basic 'digrams' are set out in **Figure 2**, and in binary code they represent 00, 10, 01, 11. In total there are 64 hexagrams in the *I Ching* made up of all the possible combinations of any three of these digrams.



Figure 2.

In the DNA there are four bases: adenine (A), cytosine (C), thymine (T), guanine (G). A combination of three of these bases is known as a 'codon' that codes for a particular amino acid. In the DNA molecule there are 64 codons, the same as the number of *I Ching* hexagrams. The proteins that are the building blocks of life are coded for by a combination of codons in the DNA. For instance **Figure 3** shows (*part of – Ed.*) a DNA sequence encoding a protein known as 'co-enzyme 1' as well as the corresponding amino acids. This example is taken from human mitochondria, but the same principle applies to the DNA of plants and crops that are of particular interest to cereologists.

ATG TTC GGC GAC CGT TGA ...
Met Phe Ala Asp Arg Trp ...

Figure 3.

If we were to put together that particular sequence of DNA shown in **Figure 3** into *I Ching* hexagrams it would look like **Figure 4** while in computer binary code it would read as follows: 001011 101001 111101 110001 011110 101100 and would sound like:

yinyinyangyinyangyang yangyinyangyinyinyang
 yangyangyangyinyang yangyangyinyinyinyang
 yinyangyangyangyinyin yangyinyangyangyinyin.



Figure 4.

Johnson tells us that Gottfried Wilhelm von Leibniz, who invented the computer binary code, had read works of missionaries to China, and was therefore aware of the *I Ching*. Leibniz had grasped the significance of *yin* as 0 (zero) and *yang* as 1 (one), and had therefore interpreted the 64 hexagrams of the *I Ching* as 64 six-digit binary numbers. Johnson also quotes from an article by Martin Gardner in *Scientific American*, January 1974, on the mathematics of the *I Ching* where Gardner attributes "the ability of the *I Ching* to explain almost everything"

to its binary basis. In other words it would be reasonable to assume that the DNA molecule likewise works on the basis of a binary code transmitting biomolecular information. Consequently the information that is delivered in a tube of light to create a crop circle must be delivered in a binary code to change the DNA of the plants.

Sound and Music

Johnson also refers to the work of the California scientist Susumu Ohno, who wrote an article entitled *Of words, Genes and Music*. By assigning simple musical notes to the DNA bases (for example 'do' for base C, 're' and 'mi' for base A, 'fa' and 'sol' for base G and 'la' and 'ti' for base T), it is possible to generate Bach-like music from primitive genes, and Chopin-like music from recently evolved genes. By the same token it is clear that information delivered in binary coded human speech patterns of *yin* and *yang* certainly produce a harmonious type of sound, albeit rather monotonous in terms of melody.

There have been a number of experiments that demonstrate that plants can react physically to music. For instance it is known that plants will turn towards classical music and religious chants, and they can actually lean away from loud rock music.⁵ Clearly there is some sort of resonance principle at work at the genetic or molecular level that is consistent with the *I Ching* principle of a binary code delivery of the human speech sounds of *yin* and *yang*. This has to be the explanation for the trilling sound that is heard when crop circles are being formed.

Freddy Silva refers to the pioneering work of Dr Chiang Kanzhen relating to bioenergetic communication. This work also involves the ability of photons (light quanta) to transmit genetic information from one organism to another. Dr Kanzhen found that photons operate at the extreme ends of the electromagnetic spectrum. Very low frequencies excite the photons and very high frequencies create a bandwidth capable of transmitting large amounts of data. It is known also from the experiments of Popp⁶ that the DNA is emitting light photons, and it has been convincingly demonstrated that the DNA is capable of two-way communication; it can act as an antennae and receive information transmitted in light quanta and it can conversely itself act as a transmitter and send information.

As far back as 1958, experiments by T.C. Singh of the Indian Department of Agriculture demonstrated how bursts of harmonious music delivered for brief periods through loudspeakers can cause metabolic changes to plants and crops.¹ It is possible to cause seeds to sprout in one-third of the normal time, as well as boosting the

crop yield generally. Of real significance however is the fact that the number of chromosomes in the genome of the plant is increased. Here is proof positive that the DNA not only responds to sound frequencies, but also it is actually changed and enhanced by this process. Silva says: "When Singh exposed his plants to Indian devotional songs, the number of stomata (surface pores) in the experimental plants was 66 percent higher, the epidermal walls were thicker, and the palisade cells were longer and broader than in control plants, sometimes by as much as 50 percent." There is additional research data from other sources that increased growth in plants can be stimulated by exposing seeds to ten minutes of ultrasound during germination, as well as by short bursts of light.¹

The crop circle 'hum' has also been equated to the sound made by the *bora* used by the Australian Aborigines to contact their 'sky spirits'.¹ The *bora* is a specially shaped piece of wood that is whirled around attached to a long string during a dance taking place in a *bora* ring. These *bora* rings are of particular religious significance to the Aborigines. The noise that the *bora* makes is said to be 'practically identical' to the trilling hum responsible for crop circles. The association of the 'sky spirits' of Australian aborigines as being one and the same deity as The Circlemaker is an obvious conclusion to be drawn.

Freddy Silva quotes excerpts from the channelings of the Universal consciousness known as the Watchers that came via Isabelle Kingston during meditation in 1982. The Watchers revealed: "We give signals to the corn and we give sound in the ear... Sounds in the ears, like Morse code.* Information being programmed in for a later date..." Furthermore the Watchers referred to the crop circle trilling noise as "sound waves transmitted at high frequency. Change the tempo of the sounds and in this will emerge the code". Short of actually specifying that the sound of crop circles delivers a coded message made up of the human speech sounds of *yin* and *yang*, it is difficult to see how these channelings by Isabelle Kingston could be more explicit. A code written in *yin* and *yang* would be virtually synonymous with Morse code.

A Cambridgeshire musician, David Hindley, has also demonstrated the process of slowing down a highly compressed sequence of notes. For instance, forty-eight seconds of the song from the skylark can be expanded into 13 minutes of sheet music. The concept of compressed data will be familiar to anyone with even a passing acquaintance with information technology, and as Silva observes: "So, the possibility of a recognizable code transmitted at high frequency is perfectly feasible,

and if true, it is a code that interacts with grain and humans.”

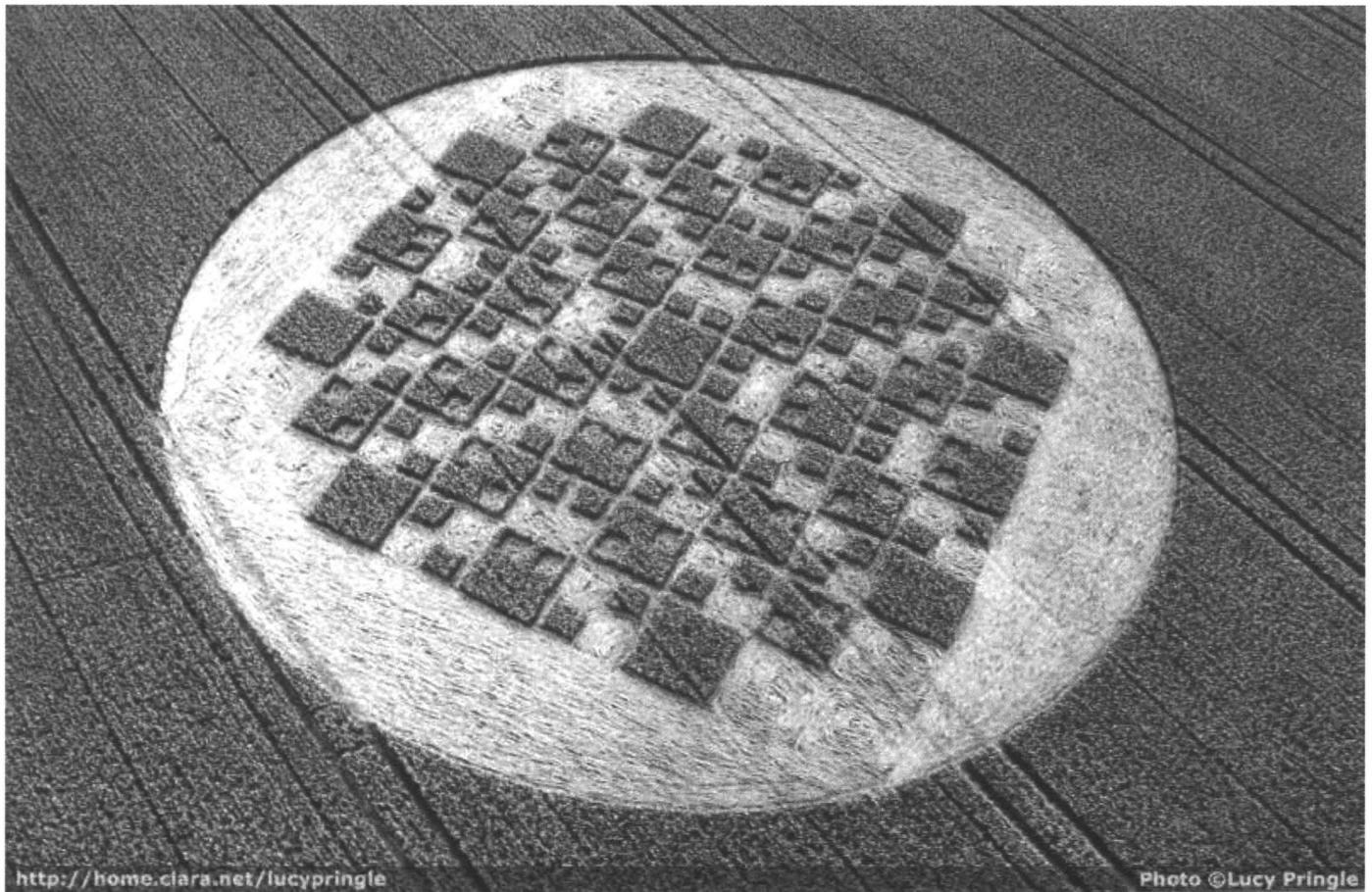
Conclusion

To demonstrate the *tao* of crop circles is to present a feasible theory as to how crop circles are made and who or what is making them. The *tao* is the ‘way’ and the ‘belief’. By demonstrating that the *yin* and *yang* of the *I Ching* is capable of being presented in binary code similar to the image files of the modern personal computer quite clearly is a reasonable theory as to the ‘how’. By going further and showing that this same *yin-yang* binary code is the likely candidate for the storage of the genetic information in our DNA more or less completes the circle of enquiry by demonstrating that The Circlemaker resides within ourselves, in the nucleus of the living cell. The *tao* of crop circles is the DNA.

* There have been reports by other people receiving morse code type of signals – Ed.

NOTES

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Lewisham Castle, Aldbourne, Wiltshire. 5 August 2004
(Photo : Lucy Pringle)

The Tunguska Crop Circle

Bradley York Bartholomew

Most people don't even know about the Tunguska event, let alone know what caused it. The fact that the event occurred almost 100 years ago means that it is becoming less likely with every passing year that a cause will ever be found. The fact that it occurred in a remote and inaccessible part of Siberia in Russia has further hindered investigations into the cause. Nevertheless within a small circle of investigators into the unusual and paranormal, there remains an active debate that should be of considerable interest to cerealogists.

So what actually happened on the Podkamennaja Tunguska River in Siberia at 7:17AM local time on 30 June, 1908? By all accounts the Tunguska event was a massive explosion, or series of explosions in rapid succession, which has been likened to the explosive force of 40 megatons of TNT, and 2,000 times more powerful than the nuclear bomb dropped on Hiroshima in 1945. The event resulted in the devastation of 2,150 square kilometres of thickly forested wilderness (*taiga*), and an estimated 60 million trees were felled. Because of the remoteness of the region, the Tunguska event excited very little interest at the time, and for the next 20 years no attempt was made to determine its cause.

The first scientific expedition into the area took place in 1927, and since then there have been several expeditions to the blast site, and the testimony of witnesses has been compiled. It is generally said that the explosions were caused by an enormous fireball 'almost as bright as the Sun' moving slowly on a descending trajectory and leaving in its wake a trail of light stretching across the sky up to 800 kilometres. Some eyewitnesses also described it as a luminescent tube, cylindrical in appearance and irradiating a bluish-white light.¹

Claps of thunder were heard by residents up to 800 kilometres from the site of the explosions. People were knocked off their feet by the shock waves, and windows were shattered up to 650 kilometres away from the affected area. In all, the testimonies of some 900 witnesses have been collated, and the evidence of the enormous power of the sound waves generated by the force of the explosions is undeniable.

The power of the blasts produced a butterfly shaped pattern in the thick *taiga*, and from witness accounts it has been determined that the shock waves of the sound phenomena are consistent with the butterfly pattern in the tree-fall.² The trees were felled outwards in a roughly

radial pattern over an area of 2,150 square kilometres. An epicentre for the blasts has been located where some

trees remained standing as 'telegraph poles' which has been likened to the scene of the nuclear blast at Hiroshima. Four smaller epicentres have been identified within the larger one which stretches over an area 60 kilometres in diameter. Each of these smaller epicentres has its own individual tree-fall pattern showing considerable radial symmetry and is presumably the result of the series of explosions in rapid succession. In the epicentral area, the felled trees have also been twisted 2.5 degrees in a clockwise direction.⁴ *Figure 1* that suggests the tremendous torque that was applied to these trees.⁹ Generally speaking the tree fall is not completely parallel, but follows the valleys and contours of the terrain, with undestroyed trees in the valleys, chopped-off tree-tops on the slopes, and felled trees near the hill tops³ (this suggests that the blast waves spread laterally whereas most theories place the source of the force several kilometres above the ground). There are islands where trees have survived and other islands of total destruction. Also 'inverted profiles' in the tree-fall have been identified. Fierce forest fires raged for weeks after the event destroying about 1,000 kilometres of forestland which of course has made it difficult to identify specific blast patterns and the first aerial photographs were not taken until almost 20 years later. As a result there are a plethora of theories concerning the cause of this event, and most manage to derive some sort of justification from interpreting aspects of the tree-fall pattern.



Figure 1.

Ash and soil fragments sucked up into the atmosphere from the fiery vortex, as well as from the ensuing forest fires, were carried around the world in the global air

currents. For several weeks after the event there were reports of unusually colourful sunsets and sunrises, as well as 'light nights' and 'optical fireworks', over Western Europe, the Scandinavian countries as well as in Russia. In Eastern Siberia and Middle Asia the dust and soot in the air caused high-altitude noctilucent ('night-shining' clouds), that virtually turned night into day. It is said that "the bright nights preceding and following the 1908 Tunguska catastrophe in Europe and Western Asia, 29 June till 2 July, above northern latitudes of 42 degrees, are unique in recorded history except for the 1883 Krakatoa volcanic eruption".⁵ Witnesses report being able to read a newspaper or check the time on their watch in the eerie light. Halos appeared around the Sun. Observatories as far away as the United States noted a marked decrease in atmospheric transparency.

The Irkutsk Observatory, 900 kilometres south-east of the epicentre, recorded disturbances in the Earth's magnetic field, and the earth tremors produced by the blast were recorded 4,000 kilometres away in St Petersburg. In 1998 *the Krasnoyarsk Conference on the 1908 Tunguska Event* was held to mark 'the 90th Anniversary of the Tunguska Problem', and several papers presented at that conference attribute the cause to electromagnetic forces. According to one paper, magnetograms reveal an unusual perturbation in the magnetosphere after the explosion consistent with the Tunguska event being a geomagnetic storm of unusually short length (about 5 hours).⁶ The perturbation is said to be similar to artificial magnetic storms caused by high-altitude explosions of thermonuclear bombs. In other words the cause can be attributed to atmospheric conditions here on Earth, rather than a collision with a meteorite, asteroid or comet.

Material was also presented at the Krasnoyarsk Conference about the observations of a Dr Weber, a Professor at Kiel University, who had observed periodic perturbations of the geomagnetic field for three days leading up to the explosion.⁶ This has been described as a 'magnetic herald' that coincided with the start of the optico-atmospheric anomalies in Europe and ended 16 minutes after the explosion of the Tunguska cosmic body in Siberia. This is consistent with the other reports of the bright nights in Europe that started, on some reports, as early as a week prior, and led up to the explosion on the 30 June, 1908.

Another paper at the Krasnoyarsk Conference drew attention to witness' accounts that the fire-ball and light trail seemed to come in at far from cosmic velocity along a gently sloping trajectory, and resembled a luminous disk the size of the Sun, coming in from the south-east towards the Podkamennaja Tunguska River where the explosions occurred.⁷ Early reports described it as a ball of lightning, similar to the atmospheric luminosity and

the fire-balls that occur regularly in the Siberian regions. These reports indicate that the phenomenon was 'plasma-electric' in character, and therefore was a terrestrial event rather than a collision with a cosmic visitor. At a later conference on the Tunguska event held in 2001, another paper links the Tunguska event to these optical fireworks that regularly occur in Siberia. This paper refers to Anomalous Luminous Phenomena (ALPs). "They display odd movements, emit unusual colours or sounds and occasionally deposit physical residues. When these phenomena closely approach a human observer, exotic forces and perceptions are frequently reported. Most ALPs have a duration time of just minutes and appear to show spatial dimensions of a few metres".⁸

Because of the remoteness of the area there was minimal loss of human life. The campsite of a reindeer herder was destroyed and his herd of reindeer was incinerated. The herder himself is said to have died of radiation exposure some weeks later. If the event had occurred a few hours later over Western Europe there would have been a catastrophe of monumental proportions. The fact that there was so little impact on human civilization is the main reason why the event passed virtually unnoticed for so many years.

The site

A Russian meteorite scientist, Leonid Kulik, who mounted the first scientific expedition to the area in 1927, was convinced that a giant meteorite had failed to disintegrate when entering the Earth's atmosphere, and had crashed to earth. He was therefore expecting to find a huge crater left by the impact of the meteorite. What he did find instead was a neat oval depression in the ground (later named the Suslov Hole after his assistant), that looked suspiciously like it had been created by unnatural forces. It was filled with bog, and he went to no end of trouble to drain this bog expecting to find remnants of the meteorite at the bottom, and instead all he unearthed was some old tree stumps. More than a dozen of such rounded holes have now been found in the blast area,³ and they likewise have been subjected to extensive examination through magnetic probes and drilling, but not so much as a single ounce of meteorite debris has ever been found in them. See *Figure 2* for a recent photograph of these oval craterlike depressions in the ground.⁹ There is some evidence that these holes were actually created around 1908 at the time of the Tunguska event.¹⁰

All the theories that have since been advanced arguing that an asteroid or a meteorite or a comet was responsible for the event have to contend with this insurmountable problem that there is no material debris. All these neatly rounded depressions that have been found in the blast

area are consistent with the accounts of witnesses that there was a series of explosions.



Figure 2.

Electromagnetic forces

It is suggested that electromagnetic forces similar to those that create a crop circle could be responsible for creating all these holes, and it is these forces that have combined to give the appearance of one explosive event witnessed by residents at some considerable distance. The combined magnitude of all the shafts of electromagnetic radiation bearing downwards created a tremendous explosion where the blast waves spread laterally at ground level. This would also explain all the anomalies in the tree-fall pattern, where there are several centres, and islands where trees were left standing in the valleys and felled trees on the high ground. It all gives the appearance that shafts of electromagnetic force were going in all different directions creating several different circular depressions in the ground, and the combined force of it radiating outwards to create the huge butterfly pattern in the forest. Eyewitnesses reported seeing 'columns of fire' rising up from the blast area.³ We have already seen that there were four smaller centres within the larger epicentre where the tree-fall patterns indicated a series of forces at work creating individual radial patterns.

An expedition led by an Italian scientist, M. Galli, conducted an analysis of the resin in the felled trees.¹¹ Galli was looking for cosmic matter embedded in the trees which may provide a clue as to the cause of the explosion. Galli did actually find foreign matter embedded in the trees, specifically particles of calcium, iron-nickel, silicates, cobalt-tungsten, and lead. These substances are sometimes found in asteroids, and his work considerably advanced the school of thought that the Tunguska event was the result of an asteroid crashing to earth. Other researchers took the view that regardless of whether it was a comet or an asteroid, at the final stage of the event there was most probably a classical discharge

of atmospheric electricity.¹² These researchers pointed to the anomalies of the Tunguska forest-fall tree burns and the fire, principally the tape-like burn injuries of larch-trees, 'bird talon' burns, and the carbonization of the burnt ends of torn off tree tops in the epicentre. Characteristic burns of this nature are more consistent with an electromagnetic explosion in the atmosphere than with a cataclysmic impact from a large, physical object such as an asteroid or meteorite. In addition it has already been observed that physical residues can also be left by Anomalous Luminous Phenomena (ALPs) which can just as easily explain the metallic residues in the resin of the felled trees found by the Galli expedition.

Biological anomalies

Some of the biological consequences of the Tunguska event are most significant. In the epicentre there has been an accelerated growth of biomass that has endured for decades after the blast. Several biological mutations have also been recorded, not only within the epicentre itself, but also along the trajectory path of the fire-ball of light as it passed over Tunguska. Abnormalities in the Rh blood factor of the local Tungus people, the Evenks have been found. There is also evidence suggesting genetic variations in certain local ant species, as well as genetic abnormalities in the seeds and needle clusters of at least one of the indigenous pine tree species.¹¹ Interestingly, other studies have revealed overmagnetized soils in several locations in and around the Tunguska site, and furthermore overmagnetized boulders have been found in the north of the Boguchanski district which is located along the presumed trajectory of the Tunguska body.¹³ In some cases the intensity of the magnetization was recorded as anywhere between 10 to 100 times higher than normal levels.

Anomalous Luminous Phenomena (ALP)

We must now turn to the New Physics for an explanation of how these ALPs occur, not only in Russia but throughout the world. Grazyna Fosar and Franz Bludorf in their book *Vernetzte Intelligenz* relate the findings of the Russian physicists Alexej Dimitrijevic and Vjatcheslav Djatlov.¹⁴ These two were commissioned by the Russian military to investigate the many sightings of self-radiating balls of light that appear regularly in Siberia on the border with China. They came to the conclusion that these UFOs were actually caused by vacuum domains where gravitational forces can change into electricity, and vice versa. This theory introduces a sensational new element into the New Physics because it opens up the possibility of hypercommunication through stable wormholes into other parts of the Universe.

Connection with DNA and BOLs

The theory however has radical implications for the functioning of DNA as well. It is now known that DNA

functions as a superconductor at body temperature and is able to store light and information. Fosar and Bludorf have come up with the theory that the DNA itself acts as an intelligence network which enables hypercommunication via these wormholes. Effectively then these sightings of mysterious balls of light in the sky can be explained as a phenomenon based in group consciousness brought about by hypercommunication through the wormholes in the DNA. In this way they are able to explain the often reported experience of people who have seen them, that the balls of light are in various subtle ways interacting at a psychic level.

(The connection between wormholes in space and wormholes in the DNA, and Pitkänen's TGD theory is explained in a previous article – 'Crop Circles Explained?')

Tunguska and crop circles

So, having now established a connection between ALPs (Anomalous Luminous Phenomena) and the Tunguska event, do we see any similarities between what we know about the Tunguska event and crop circles? Crop circles normally appear in cereal crops, but it is well-known that the same force has created formations in a wide variety of vegetation and physical landscapes. For instance formations have appeared in prairie grass and rice paddies. In Wisconsin and in Ontario, Canada, formations have appeared in trees. Non-plant substances can also be molded by this force, for example, ice and snow, desert sand, and dry lake bed earth. The dozen or more neatly rounded depressions in the ground at the Tunguska site would seem to qualify this event as worthy of consideration by cereologists.

In genuine crop circles the stems of the plant are bent in a characteristic way that still has not been satisfactorily explained. (*Note- after a short time green stems with naturally bend upwards towards the light - phototropism. – Ed.*) There is no known way to emulate this bending process, and yet it occurs in plants with stems that will normally snap or kink, and in crops where the stalks are steadfastly resistant to bending. Freddy Silva tells us "the bend often creates another anomaly. Slide your hand under a section of flattened stems and you will find them stiff and resistant to being raised, as if they've been softened like molten glass in a furnace, allowing them to be gently worked and rehardened into this new and very permanent position. But despite this seemingly traumatic experience, the plants remain alive and well."¹⁵

The trees at the Tunguska blast site do not have this characteristic bend of crop circles. Some trees were left standing like gaunt telegraph poles, stripped of bark and foliage. Others were twisted and flattened in radial patterns. There are some trees where it is not possible to

determine the origin as if they have been torn out of the ground and flung elsewhere. This would occur, it is suggested, to trees that were actually growing at the site of an oval depression in the ground. In these oval depressions you would also expect to find some tree stumps remaining at the bottom, which has been confirmed by Leonid Kulik. Crop circles are subtle and are created with a minimum of force; the Tunguska event was created by the same force only magnified astronomically. As a general rule crop circles are not created by a blast. There are many reports that a characteristic trilling sound is heard. Magnify the force and you are going to magnify the sound. Magnify the sound to a gigantic explosion, and commonsense dictates that trees are going to be torn out of the ground as well as snapped like twigs.

With genuine crop circles, the soil underneath is noticeably drier.¹⁵ This force is capable of affecting and molding earth and soil, and even rock. Here again commonsense would dictate that a force that dries out the soil is going to be much greater if it creates a large craterlike depression in the ground. Under these circumstances you are not going to expect the trees to be simply bent. An explosive electromagnetic force is going to destroy a lot of the trees at the epicentre, and flatten trees further away in a radial pattern which is exactly what we find at Tunguska.

Another interesting similarity between crop circles and the Tunguska event are the islands where the trees were not destroyed, and also the many 'telegraph poles' left standing at the epicentre. It is common ground in crop circle research that The Circlemaker is able to exhibit extraordinary selectivity as to what crop is flattened, and what is left standing. In crop circles "it is not unusual to find red poppies left standing while flattened barley flows around the upright flowers. This extraordinary selectivity as to what is flattened and what is not extends to plants of the same type and age, so that odd single stalks are left upright amid a sea of flattened plants."¹⁵

Genuine crop circles involve the application of intense heat. *Figure 3* shows a close-up of a rock from a crop circle where wheat stems have been flash-burned onto its surface.¹⁵

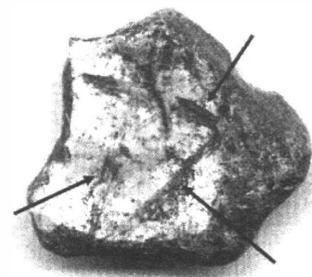


Figure 3.

Also with crop circles the area affected is normally less than say a hundred square metres. The Tunguska event affected an area of 2,150 square kilometres so it would be reasonable to expect the application of a great deal more heat. In crop circles the intense heat actually creates a series of expulsion cavities or 'blow holes' in the flattened plants suggesting that the water inside the cell walls is suddenly heated to boiling point. Dr Levengood who carried out an extensive analysis of flattened plants suggested that the electromagnetic energy involved in the creation of crop circles originated in 'the microwave region'.¹⁵ It is fair to say that extreme heat is applied when conventional crop circles are formed, so 40 Megatons of TNT to create the Tunguska event is not an unreasonable estimation.

Lumps of solid carbon are sometimes found on the soil under crop circles, presumably caused by the intense heat. This is to be compared with the carbonization of the burnt ends of torn off tree tops in the epicentre at Tunguska. In the crop formation below Oldbury Hill fort in 1993 a type of iron powder (also known as meteoric dust) was found glazed to the stems.¹⁵ This iron powder was likewise analyzed by Dr Levengood who found that the wheat heads and stems from that crop circle were actually magnetized as a result of this amorphous iron substance. He also determined that "the material was a pure iron that had been embedded in the plants while the iron was still molten. Tiny iron spheres were also found in the soil".¹⁶ This finding is reminiscent of the report by M. Galli of finding iron in the resin of the trees flattened in the Tunguska event. An X-Ray Diffraction study of clay materials in crop circle soils has revealed that "specific clay minerals (illite/smectites) are shown to exhibit a subtle, but statistically significant increase in degree of crystallization".¹⁷ The scientists who conducted this study determined that the temperature required to alter the soil crystallinity would be in the range of 600-800 Degrees Celsius, and they were mystified as to how this amount of heat could be applied to the soil beneath a crop circle, and yet the crop above, although bent with the characteristic nodes, is otherwise alive and healthy. It would be normal to expect heat of this magnitude to incinerate the crop.

Equipment failure

Magnetic surveys of soil samples in and around crop circles reveal that the ferrites (iron compounds) in the soil have been magnetized. An unusually high level of nitrates have also been found in crop circle soils that indicates either an over-application of fertilizer or 'an extremely high electric charge'.¹⁵ There is abundant evidence of electromagnetic anomalies at crop circle sites. All sorts of mechanical and electrical equipment, such as compasses, watches, cameras, mobile phones and computers, have been known to fail. Farmers have

reported equipment failure when their harvesters cross the perimeter of a genuine crop circle. Even airplanes and helicopters flying over the field can be affected. Similar anomalies appear to be present at the Tunguska site. Overmagnetized soils and rocks have been reported decades after the event. A great number of researchers who have investigated the Tunguska event attribute it to an overwhelming electromagnetic force.

Freddy Silva tells us that in 1993 the standing crop inside a formation was "coated with a charge ranging from 10-20 volts per inch using a standard electrostatic voltmeter. By 1999, this charge had risen, some circles registering 30 volts, and in one case in excess of 100 volts". Similarly, recordings made by Paul Vigay of background resonance have shown a dramatic increase over a comparable time span. Unfortunately no such data is available for the Tunguska site, but according to the testimony of witness collected 20 years or more after the event, the heat waves and the sound waves produced can only be compared with the eruption of Krakatoa in 1883. This is the only other explosion of similar magnitude in recorded history.

Fosar & Bludorf state that in the topsoil at the Tunguska blast site certain rare elements were found that are commonly used in the manufacture of semiconductors and computer chips. This may be the explanation for the mysterious dust that Andy Thomas found at a crop glyph at Sompting, West Sussex on 23 June, 2002. In his book *Swirled Harvest*, Andy relates his attempts to have this dust analysed. Calcium was present and "the smaller grains were the purest form of silica".¹⁹ This was seen to fit in with a study by John Abrahamson of the University of Canterbury in Christchurch, New Zealand, that recorded "similar silica deposits being left in association with the appearance of ball lightning". We saw earlier that the Italian scientist, M. Galli, found calcium and silicates in the tree resin at the Tunguska epicenter. We also noted earlier that ALPs have been known to deposit physical residues as well.⁸

Laboratory analysis of plants taken from crop circles has revealed that the structure and DNA of the plant had been changed. The plants were subjected to extensive tests by Dr Levengood who found that the seeds were often stunted and malformed, and they sometimes failed to germinate.¹⁵ On other occasions the seeds of more mature plants revealed accelerated germination and a 40% faster growth rate. Quite clearly the energy that creates crop circles alters the plant's natural growth and life cycles. This is consistent with what happened after the Tunguska event where it was found that the biomass at the blast site had shown an accelerated growth rate that has continued for decades. In other words, the genetic and molecular structure of the plants had been permanently altered. There are findings that the local

Events at Tunguska are exhibiting metabolic and genetic anomalies. Fosar & Bludorf report that in addition to the abnormal Rh blood factor, there has been a wide occurrence of a malady akin to Chronic Fatigue Syndrome amongst the locals.¹⁴ Other research has revealed genetic anomalies in some of the local ant populations and in some of the species of trees.

ALP Interaction with consciousness

Freddy Silva suggests that the energy behind crop circles is natural, and yet seemingly, an intelligent force is able to control it to a very fine degree. "How else can we explain a 'natural phenomena' that selectively avoids houses, towns, gardens, and parks? That produces hundreds of geometrically and philosophically significant shapes of great complexity? That interacts with and, even reads the minds of, its human observers".¹⁵ We have seen that it is widely accepted in Russia that ALPs have this ability to interact with the consciousness of the observer. We have seen from the theories of the Russian physicists Alexej Dimitrijevic and Vjatcheslav Djatlov, as presented by Fosar & Bludorf, that the explanation for the ALPs is 'wormholes arising from vacuum domains in space'. This coupled with the theory of Matti Pitkänen who constructed a physical universe based on our consciousness emerging from magnetized wormholes within the DNA, and we have an explanation of why the Tunguska event, like crop circles, occurred in a remote place where there was minimal risk to human life. The force in the DNA that creates the ALPs is benign because at this stage it is primarily concerned with raising the awareness of human beings of our supernatural foundation. The force is internal to us so why would it seek to harm us. This force already has caused a lot of people to start asking questions by creating these supernatural events in remote places. Evidently it does not seek to scare or coerce people into believing. The Tunguska event however reveals the formidable potential of this force. In the Tunguska event you see perhaps the force required to create a crop circle magnified ten thousand times, or even a hundred thousand times. The figure is meaningless. The magnification is extreme. But this force occurred in remote wilderness and caused only a tiny ripple in human consciousness, which will grow when the time is right.

In fact another Tunguska event occurred in a remote part of the Australian desert in recent years. This was the Banjawarn event which occurred in 1993. Again there was no reported loss of human life because of the remoteness of the region. Details of the apparent 'Mini 1908 Tunguska' type event was presented at the Krasnoyarsk Conference in 1998.¹⁸ According to the abstract "the event occurred on or near the Banjawarn sheep station, close to the Celia Fault/Lineament, some 130km northwest of the mining town of Laverton, in the very sparsely populated and isolated semi-desert Eastern

Goldfields region of Western Australia. The event commenced at about 23.00hrs on the night of the 28th. of May 1993 with the sighting of a large aerial orange-red fireball plus a short conical tail low down on the southern horizon. This "object" arced low overhead at an altitude of some 1-2000 metres in a "nap of Earth" type trajectory at less than the speed of sound making a loud pulsed roaring "diesel freight train engine" type noise in flight, before apparently diving to a ground level "impact". The "impact" was hidden behind a range of low hills located northwest of Banjawarn sheep station. This was immediately followed by :-

(1) a high energy flash of blue-white light (reminiscent of a night time nuclear blast) that "lit up the surrounding 100km radius of scrub bush like day", (2) a major long drawn out explosion and a concussion blast wave, and (3) a co-incident 3.6-3.9 Richter earthquake picked up at 23 AGSO seismographs around the western half of Australia, with (4) the simultaneous projection of a large column or "flare" of orange-red coloured light vertically skyward to an altitude estimated as several kilometres, followed (5) by the slow expansion growth of a large "two setting-sun sized" orange-red hemispherical opaque light form structure, with a glowing silver lining, that remained lit up for 2 hours, on the horizon above "ground zero", in the clear cloudless, dark - no moon, windless night sky, and (6) approximately one hour after the initial earthquake at 24.00hrs another very small blue-green fireball arced high over Banjawarn station following approximately the same course as the first fireball (but originating at ground level ?) - this then created a second minor ground "impact" with an associated very minor seismic "felt" event at 24.00hrs (but apparently of insufficient energy to be detected by the AGSO seismic chain), with this "ground zero" being adjacent, or in, the hemispheric light form structure described in (5) above.

The seismograph data suggests that the first incident involved a minimum of some 1-2Kt of TNT equivalent and therefore was similar in energy size to a tactical nuclear weapon blast". Here again the same force that creates crop circles is 'flexing its muscles' so to speak. This event also came and went with very little scientific or media attention, but the ripple of awareness created in human consciousness has increased ever so slightly.

References in ancient traditions

The truly interesting thing is that there are several instances in human religious tradition where this force has actually been harnessed and directed by human consciousness, and has become a very formidable and effective weapon. For instance the Druids claim to have used this force when they conjured up the Druid Wind in an attempt to prevent the sons of Mil from landing in Ireland. Another instance occurs in the religious tradition of India. The *Mahabharata* speaks of an 'explosion' that

caused 'blinding fire, the fire without smoke'. This occurred in the north west of India in the 3rd Millennium BC where the Harappa civilization once existed.⁷

The force also occurs in the Judaeo-Christian tradition. After they were delivered from Egypt the Israelites sojourned for 40 years in the desert. When they came to Canaan (later Palestine) Joshua singled out Jericho as the first city he would conquer. He is told by God that victory is assured, and he is instructed to have his troops march around the walls of the city once a day for six days. The troops are to be led by seven priests walking beside the Ark of the Covenant containing the Ten Commandments, as they blow the *shofarot* (the ram's horn). On the seventh day the troops are to circle the city seven more times, then the priests are ordered to blow their horns, and the soldiers are to shout. The walls of the city, God tells Joshua, will come tumbling down and this is precisely what happens (*Joshua 6*). The God that crumbled the walls of Jericho, is the force that caused the Tunguska event, and is The Circlemaker. This 'God' is in us all, in our DNA.

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Analysis of The Locust Grove Crop Circle Formation

A Study To Determine Its Relationship To Musical Notes

Dee Gragg, P.E.

This study shows a strong link between the crop circles analyzed by Dr Gerald Hawkins in southern England in 1981-88 and the USA circles of Locust Grove, Ohio, 2003 and Miamisburg, Ohio 2004. This link was established by studying the Locust Grove formation using methods identical to those used by Dr. Hawkins in southern England. This work, along with the known crop circle theorems, gives a total of 13 of the possible 29 musical notes over a four octave range

My objective was to determine if the United States, 2003 Locust Grove crop circle formation contained diatonic ratios which could be related to musical notes. My study used the same methods as those employed by Dr. Gerald Hawkins in his classic study of 1981-88 crop circles of southern England (Hawkins p.5 and Andrews p.5).

By using the same methods as Dr. Hawkins, any diatonic ratios and their relationship to musical notes will then be comparable to his work.¹ Thus we may establish a link between this current work and his classic work.

Dr. Hawkins took the diameter of the large circle and divided it by the diameter of the satellite circle and used this result to determine any integers.² Using the integers found, he searched for diatonic ratios by raising 2 to the $n/12$ power where n is the integer just found. For example if:

Large Circle = 10 Satellite Circle = 2

Then: $10/2 = 5$; and the diatonic ratio = $2^{5/12} = 2^{.4166} = 1.335$

This is the diatonic ratio $4/3$, which is F just above middle C.

I began my analysis with Circle A which had the smallest diameter and was deemed to be the satellite circle (Figure 1). I then divided it into the next larger circle, Circle D. This gave $17/11 = 1.545$. There is certainly no integer nor diatonic ratio here. Likewise going to the next larger Circle C, which gave $19/11 = 1.727$. No integer here. Likewise Circle B $20/11 = 1.818$.

But beginning with Circle E the ratios begin to look promising i.e. $43/11 = 3.909$. In a perfect world this ratio would have been 4.000. But we are not in a perfect world and I did not want to miss any important data while trying to hold it to perfection. This brings to mind all sorts of clichés...don't throw out the baby with the bath water. Don't measure with a yard stick, mark with chalk, cut with an ax and then check for accuracy with a micrometer etc., ad nauseam and I promise no more clichés for the rest of the paper.

Prior to beginning this study Mr. Ted Robertson and I agreed that from their measurements on the ground and our studying photographs of the formation that Circle A might vary as much as 6 inches.³ Mr. Robertson was one of the researchers on the ground that made the measurements.

So by reducing the diameter of Circle A by three inches I found the 4.000 which we are looking for: That is $43/10.750 = 4.000$. Thus $2^{4/12} = 2^{.333} = 1.259$ which is almost $5/4 = 1.250 =$ Musical Note E. But notice that even though I used the perfect 4.000 ratio, that we still missed the $5/4$ diatonic ratio by 0.009!

In fact in order to be exact I would have needed to use $2^{.322}$ which equals exactly 1.250. In that case the integer would need to be 3.864 and the diameter 11.128. That is $43/11.128 = 3.864$. Wow! I should have made the 11 foot diameter an inch and a half larger not three inches smaller as I did.

So here's the deal: You can have an exact diameter, or an exact integer or an exact diatonic ratio. But you cannot have all three. You can have **only one** exact and the other two will be slightly off. This is the general case for any analysis of crop circles. For a rather esoteric study of this, see Appendix A. Dr. Hawkins must have been aware of this problem because in his study of 1981-88 there were 9 points somewhat off, and 16 were exactly on for a total of 25 points. For a really amazing coincidence (?) see Footnote 4.

By now you are probably wondering where I got accuracy to the 0.001 of a foot which I used in my calculations. The accuracy was created, rather artificially, by the calculations. It should not be implied that a crop circle was measured to 0.001 of a foot in the field. So before we

Table 1

Circle	Diameter (Feet)	Satellite Diameter (Feet)	Integer	Diatonic Ratio	Fraction of Middle C	Musical Note	Frequency (Hz)
B	20	Not Diatonic					
C	19	Not Diatonic					
D	17	Not Diatonic					
E	43	10.750	4	1.259	5/4	E	330
F	75	10.714	7	1.497	3/2	G	396
G	150	10.714	14	2.243	9/4	D	594
H	192	11.294	17	2.668	8/3	F	704

all get lost in the Land of Little Numbers and are unable to find our Home Circle let's press on.

I have arbitrarily chosen to use the exact integer in my calculations for no better reason than I think maybe that's what Dr. Hawkins would have done. Certainly three decimal place accuracy is not necessary to establish diatonic ratios but, for illustrative purposes I am going to carry it through the calculations.

So for the 43 foot diameter of Circle E the satellite circle diameter is 10.75 feet, the integer 4 and the diatonic ratio 1.259 (Table 1). This corresponds to a Middle C fraction of 5/4 and a musical note of E at a frequency of 330 Hz.

The next larger circle is the cornea of the "eye" which is 75 feet. For the exact integer of 7 the satellite circle diameter is 10.714 and the diatonic ratio is 1.497. This corresponds to a Middle C fraction of 3/2 and a musical note of G at a frequency of 396 Hz.

The next larger circle, G which has a diameter of 150 feet is also the bottom of the eye. The arc of the top of the eye if extended to be a circle would also have a 150 foot diameter. The left and right arcs of the cat-like pupil would also have a 150 foot diameters.

For the exact integer of 14 the satellite circle diameter is 10.714 and the diatonic ratio is 2.243. This corresponds to a Middle C fraction of 9/4 and a musical note of D at a frequency of 594 Hz.

The final and largest circle, H is 192 feet. For the exact integer of 17 the satellite circle diameter is 11.294 and the diatonic ratio is 2.668. This corresponds to a Middle C fraction of 8/3 and a musical note of F at a frequency of 704 Hz.

As mentioned before I still have one last possible diatonic ratio to consider. Circles B and E are concentric. When I previously considered them individually and not concentric, Circle E was diatonic but Circle B was not. What will they be if considered together in their concentric formation?

Remember that with concentric circles we must look at the ratio of diameters squared to find diatonic ratios. Dr. Hawkins and I have both verified this (Gragg p.5).

So, dividing the diameter of Circle E by the diameter of Circle B I got $43/20 = 2.15$. Squaring gives $(2.15)^2 = 4.622$ which is far from being an integer so obviously there is no diatonic ratio present.

So what can be concluded with regards to future circle patterns which are both concentric and nonconcentric. Not much I'm afraid. This is only one data point. Conclusions on this must await more data.

Appendix B is a modified version of the Appendix B from my previous paper on theorem proofs. To the previous Appendix B I have added Dr. Hawkins 1981-88 work and the four notes from this Locust Grove analysis. **To my knowledge this brings together all of the work using Dr. Hawkins methods.**

Analysis and Conclusions

The first thing which jumps out is the four F's. In my previous work on theorems I remarked about the three F's and now that I have added the Locust Grove work I have four. Notice that **the F appears in all the work:** the theorems of Dr. Hawkins, the theorems I proved, Dr. Hawkins crop circle work and the Locust Grove work.

What do these 4F's mean? I don't know, but here are a couple of conjectures.

- Our former USA draft system for forcing young men to serve in the military had a classification of 4F. This meant unfit for service in the military. Is there a message that we are unfit for something or other?
- In the USA school systems, at all levels the F means a failing grade. Have we been deemed to be failing in something?

Both of those sound kind of depressing. Perhaps you have a conjecture you would like to share. I would be most pleased to hear from you and I hope your conjecture is happier and more optimistic than mine.

In an interesting observation Dr. Hawkins found in his work that only integers, (n's), for the diatonic ratios appeared. Those were for an "n" equal to 0, 2, 4, 5, 7, 9, 11, and 12. The nondiatonic integers 1, 3, 6, 8, and 10 were never found.

I found the same occurrence in the Locust Grove analysis. The two notes found in this octave for "n's" of 4 and 7 are notes E and G just above Middle C. As with Dr. Hawkins I found no nondiatonic integers.

I found two more notes in the next higher octave with "n's" of 14 and 17 which are notes D and F. Here I need to extend the work of Dr. Hawkins to this octave in which the diatonic "n's" are 12, 14, 16, 17, 19, 21, 23, and 24. The nondiatonic "n's" are 13, 15, 18, 20, and 22. Again, as with Dr. Hawkins's work I found only diatonic "n's" and no nondiatonic "n's".

For the few of you who might be interested, I have computed the 25 "n's" for these two octaves in Appendix C. This includes both diatonic and nondiatonic "n's" and their relationship to the musical notes. I have not seen this work computed and compiled anywhere so I am including it even though I realize that it will be of limited interest to most of you.

Notice the strong link being created between these two crop circle studies. Two of the notes of the Locust Grove study, E and G, are identical to those found in the 1981-88 Hawkins' study. The other two notes, D and F in the higher octave, are nestled between Hawkins' Theorems III and II.

From the Locust Grove analysis I conclude:

- This study strengthens the already existing link between crop circles and musical notes.
- This study verifies that the crop circle and musical note link found in 1981-88 in southern England has now been found in a crop circle formation in 2003 in the United States.

Footnotes:

1. I see in books and on the Internet where diatonic ratios are being determined all sorts of ways. This may be all well and good. But work which does not follow Dr. Hawkins' methods (so far I haven't found any that did) cannot be compared to his results.
2. This method is used for circles that are not concentric. If they are concentric the ratio must be squared to look for the integer. We have two such circles which I will deal with later in the paper.
3. Mr. Robertson was a part of the team which made the original ground measurements. He also did the complete construction line drawing showing the relationship of all the circles. I used this to construct Figure 1 which represents the formation as seen in the field. Mr. Robertson supplied this information to me and encouraged me in this research. Clearly without his help none of this would have happened.
4. Do you recognize the number sequence 9, 16, 25? The Pythagorean Theorem states that in a right triangle the sum of the squares of the two legs are equal to the square of the hypotenuse. That is $A^2 + B^2 = C^2$. This works for all right triangles of any measurement but the smallest integers that can be used in the equation are 3, 4, and 5. Look what happens when I put them in this equation. $3^2 + 4^2 = 5^2$ and squaring the numbers gives $9 + 16 = 25$. Isn't that astounding to find in the work of a famous scientist who was at that very time searching for integers? It was a very humbling experience when I realized what I had just discovered.

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Appendix A

Circle E

	Exact Diameter	Exact Integer	Exact Diatonic Ratio
Diameter	11	10.750	11.128
Integer	3.909	4	3.864
Diatonic Ratio	1.253	1.259	1.250

In the Exact Diameter column if we want to have the 11 exact, then the "integer" must be 3.909 which gives a diatonic ratio of 1.253. In the Exact Integer column if we want the integer exact at 4, then we must use a diameter of 10.750 giving a diatonic ratio of 1.259. If we are really a purist and want the diatonic ratio exact at 1.250, then we can work backwards and determine the diameter to be 11.128 and the "integer" to be 3.864.

This same study can be made for all of the circles (in fact I did) or any other formation of circles. However, please remember that the accuracy shown here was created rather artificially by the calculations. It should not be implied that a crop circle was measured to 0.001 of a foot in the field.

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Appendix B

Frequencies In The Fields

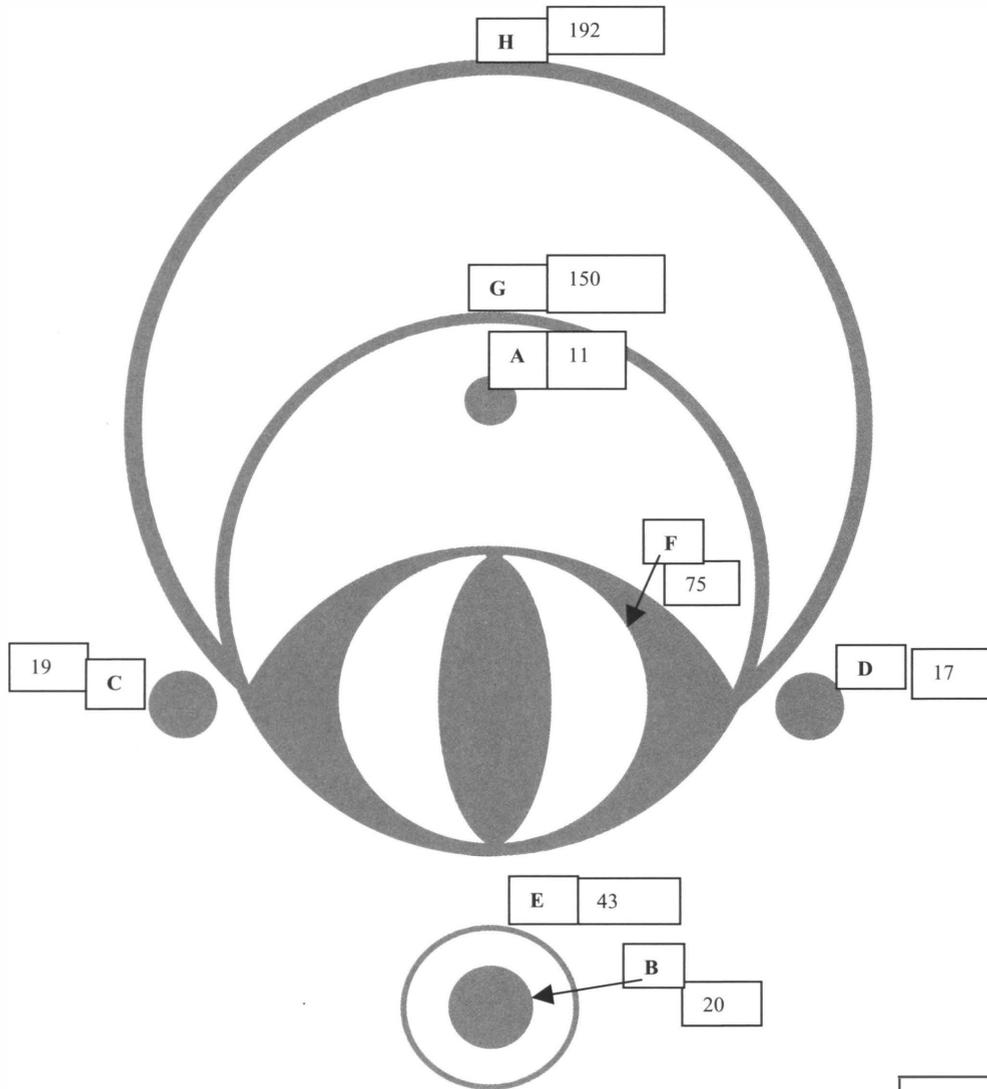
Note Name	C	D	E	F	G	A	B	C
Diatonic Ratio	1/4	9/32	5/16	1/3	3/8	5/12	15/32	1/2
Frequency (Hz)	66	74.25	82.5	88	99	110	123.75	132
Note Name	C	D	E	F	G	A	B	C*
Diatonic Ratio	1/2	9/16	5/8	2/3	3/4	5/6	15/16	1
Frequency (Hz)	132	148.5	165	176	198	220	247.5	264
Note Name	C*	D	E	F	G	A	B	C
Diatonic Ratio	1	9/8	5/4	4/3	3/2	5/3	15/8	2
Frequency (Hz)	264	297	330	352	396	440	495	528
Note Name	C	D	E	F	G	A	B	C
Diatonic Ratio	2	9/4	5/2	8/3	3	10/3	15/4	4
Frequency (Hz)	528	594	660	704	792	880	990	1056

* Middle C

Denotes found in the fields

Locust Grove, Ohio

August 24, 2003



Scale: 1" = 50'

1. Originally drawn by Ted Robertson.
2. Computer WORD drawn by Dee Gragg with help from Ted Robertson
3. Measurements by:
Roger Sugden
Jeffery Wilson
Ted Robertson
Delsey Knoechelman
Tony Knoechelman

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Figure 1

Theorem/Crop Circle Summary

Frequency (Hz)	Musical Note	Theorem/Crop Circle Used For Discovery
88	F	Theorem IVB, Gragg
176	F	Theorem IB, Gragg
264 to 528	C, D, E, F, G, A, B, C	1981-88 Southern England Study, Hawkins
330	E	Locust Grove, 2003
352	F	Theorem IA, Theorem IVA, Hawkins
396	G	Locust Grove, 2003
528	C	Theorem III, Hawkins
594	D	Locust Grove, 2003
704	F	Locust Grove, 2003
1056	C	Theorem II, Hawkins

Appendix C

Integer (n)	Computed Diatonic and Nondiatonic Ratios	Exact Diatonic Ratio	Note
0	$2^{0/12} = 2^0 = 1.000$	$1/1 = 1.000$	C*
1	$2^{1/12} = 2^{.0833} = 1.060$		
2	$2^{2/12} = 2^{.1666} = 1.122$	$9/8 = 1.125$	D
3	$2^{3/12} = 2^{.250} = 1.188$		
4	$2^{4/12} = 2^{.333} = 1.256$	$5/4 = 1.250$	E
5	$2^{5/12} = 2^{.416} = 1.335$	$4/3 = 1.333$	F
6	$2^{6/12} = 2^{.500} = 1.414$		
7	$2^{7/12} = 2^{.583} = 1.498$	$3/2 = 1.500$	G
8	$2^{8/12} = 2^{.667} = 1.587$		
9	$2^{9/12} = 2^{.750} = 1.682$	$5/3 = 1.666$	A
10	$2^{10/12} = 2^{.833} = 1.782$		
11	$2^{11/12} = 2^{.917} = 1.888$	$15/8 = 1.875$	B
12	$2^{12/12} = 2^{1.000} = 2.000$	$2/1 = 2.000$	C
13	$2^{13/12} = 2^{1.083} = 2.119$		
14	$2^{14/12} = 2^{1.167} = 2.245$	$9/4 = 2.250$	D
15	$2^{15/12} = 2^{1.250} = 2.378$		
16	$2^{16/12} = 2^{1.333} = 2.519$	$5/2 = 2.500$	E
17	$2^{17/12} = 2^{1.416} = 2.668$	$8/3 = 2.666$	F
18	$2^{18/12} = 2^{1.500} = 2.828$		
19	$2^{19/12} = 2^{1.583} = 2.996$	$3/1 = 3.000$	G
20	$2^{20/12} = 2^{1.666} = 3.175$		
21	$2^{21/12} = 2^{1.750} = 3.364$	$10/3 = 3.333$	A
22	$2^{22/12} = 2^{1.833} = 3.563$		
23	$2^{23/12} = 2^{1.916} = 3.775$	$15/4 = 3.750$	B
24	$2^{24/12} = 2^{2.000} = 4.000$	$4/1 = 4.000$	C

* Middle C

Analysis of the Miamisburg Crop Circle Formation

A Study to Determine its Relationship to Musical Notes

Dee Gragg, P.E.

Similar studies to the above were conducted with the Miamisburg formation. This report contains the first non-diatonic integer ever discovered in any of the work. After 23 years of finding only the white piano keys, we have now discovered one of the black keys. Specifically, it gives a musical note of G# or Ab at a frequency of 418 Hz.

The Miamisburg crop circle appeared approximately September 1, 2004. It is in corn and is located near the Miamisburg Mound in Miamisburg, Ohio

My objective was to determine if the United States, 2004 Miamisburg crop circle formation contained diatonic ratios which could be related to musical notes. If so, can they be related to the Locust Grove study and the work of Dr. Gerald Hawkins. This study and the Locust Grove study used the same methods as those employed by Dr. Gerald Hawkins in his classic study of 1981-88 crop circles of southern England.

By using the same methods as Dr. Hawkins, any diatonic ratios and their relationship to musical notes will then be comparable to his work and the Locust Grove study. This will strengthen the link between the three studies.

Dr. Hawkins took the diameter of the large circle and divided it by the diameter of the satellite circle and used this result to determine any integers.¹ Using the integers found, he searched for diatonic ratios by raising 2 to the $n/12$ power where n is the integer just found. For example if:

Large Circle = 10 Satellite Circle = 2

Then: $10/2 = 5$; And the diatonic ratio = $2^{5/12} = 2^{.4166} = 1.335$

This is the diatonic ratio 4/3, which is F just above middle C.

The Miamisburg formation bears an amazing, almost sister-like resemblance to the Locust Grove formation. In fact, Mr. Jeff Wilson has made a most convincing comparison in his Comparison of the Basic Elements of the Miamisburg, Ohio (8-2004) and the Locust Grove, Ohio, (8-2003) Crop Circles (Wilson 2004).

I began this analysis with Circle A which had the smallest diameter and was deemed to be the satellite circle (Figure 1). I then divided it into the next larger circle, Circle B.

This gave $14.5/11 = 1.318$. There is certainly no integer nor diatonic ratio here. Likewise going to the next larger Circle C, which gave $14.7/11 = 1.336$. No integer here. Likewise, Circle D $20/11 = 1.818$. Not surprisingly this is very similar to the results for its sister circle at Locust Grove.

But beginning with Circle E the ratios again began to look promising i.e. $41/11 = 3.727$. In a perfect world this ratio would have been 4.000. But we are not in a perfect world and I did not want to miss any important data while trying to hold it to perfection.

In the Locust Grove paper I gave the theory and computations as to why it is impossible to have exact dimensions and, for the most part, I will not repeat them here. But in summary, you can have an exact diameter, an exact integer or an exact diatonic ratio. But you cannot have all three. You can have only one exact and the other two will be slightly off. This is the general case for any analysis of crop circles.

In my calculations I computed accuracy to 0.001 of a foot. It should not be implied that a crop circle was measured to 0.001 of a foot in the field.

Prior to beginning this study Mr. Ted Robertson advised me that this formation was in corn. The rows were approximately 27 inches apart and the individual stalks were about a foot apart. Mr. Robertson was one of the researchers on the ground that made the measurements.² Because of this, he estimated that the measurement of the 11 foot circle could be closer to 10.5 feet. When I did the diatonic ratio computations, I found this to be amazingly prophetic.

Again, I have chosen to use the exact integer in my calculations. The results will then compare to the Locust Grove results and I believe that this is what Dr. Hawkins would have done. Also, for illustrative purposes I am going to carry the three decimal place accuracy through the calculations.

So for the 41 foot diameter of Circle E the satellite circle diameter is 10.25 feet, the integer 4 and the diatonic ratio 1.259 (Table 1). This corresponds to a Middle C fraction of 5/4 and a musical note of E at a frequency of 330 Hz.

The next larger circle is the “eye”, Circle F, whose top and bottom are each 72 feet. For the exact integer of 7 the satellite circle diameter is 10.29 and the diatonic ratio is 1.499 (Table 1). This corresponds to a Middle C fraction of 3/2 and a musical note of G at a frequency of 396 Hz.

The next two larger circles are G which have diameters of 84 feet. For the exact integer of 8 the satellite circle diameter is 10.50 and the non diatonic ratio is 1.587. This is a first! In all of Dr. Hawkins’ work and mine, neither of us found integers which were not diatonic up to now. Frankly, I had been naively assuming that I never would. Wrong! For a complete discussion of this phenomenon see the *Analysis and Conclusions* Section of this report.

The final and largest circle, H, is 123 feet. For the exact integer of 12 the satellite circle diameter is 10.25 and the diatonic ratio is 2.000 (Table 1). This corresponds to a Middle C fraction of 2/1 and a musical note of C at a frequency of 528 Hz.

As mentioned before there are two sets of concentric circles to consider for diatonic ratios. Circle E is concentric with Circle H and Circle F is concentric with Circle G. As just shown Circles E, F, and H are diatonic and although Circle G contains a ratio integer of 8 it is not diatonic.

Remember that with concentric circles we must look at the ratio of diameters squared to find diatonic ratios. Dr. Hawkins and I have both verified this. So, dividing the diameter of Circle H by the diameter of Circle E, I got $123/41 = 3.0$. Squaring gives $(3.0)^2 = 9.0$ and $2^{9/12} = 1.682$. This corresponds to a Middle C fraction of 5/3 and a musical note of A at a frequency of 440 Hz (Table 2).

Dividing the diameter of Circle G by the diameter of Circle F gives $84/72 = 1.167$. Squaring gives $(1.167)^2 = 1.361$ which is far from an integer and is therefore not diatonic (Table 2). Certainly not surprising since Circle G is in its self not diatonic.

Appendix A is a modified version of the Appendix B from my Locust Grove paper. To the previous Appendix B, I

have added these four notes. Again, this brings together all of the work using Dr. Hawkins methods.

All four of these musical notes have been found previously by Dr. Hawkins in his classic 1981-88 study. Two of them (E and G) had also been found in the Locust Grove study. What is new is the finding of a note (A) by the use of concentric circles rather than the use of a satellite circle. This continues to confirm and strengthen the bond between this work and that of Dr. Hawkins.

Analysis and Conclusions

In the Locust Grove paper I made much of the Note F appearing in all four of the previous works: Dr. Hawkins’s theorems, my theorems, Dr. Hawkins’s crop circle work and the Locust Grove formation.

Well, this time there was no Note F. Perhaps its appearance was only coincidental in the first four studies or perhaps we simply need more time and data to evaluate its significance (if any).

Previously I noted that Mr. Robertson thought that the 11 foot circle might be a bit smaller. This was most prophetic when the computations were made. When exact integers are used the variation in the Satellite Diameter for all four circles was only 3 inches! And that includes Circle G which has a non-diatonic integer (Table 1).

The 2004 Miamisburg formation marks the first occurrence of a non-diatonic integer. Neither Dr. Hawkins nor I found any integers which were not diatonic in all of our combined work until now.

So, does this non-diatonic integer have some musical significance? Yes, happily it does. The computed non-diatonic ratio of 1.587 corresponds to a Middle C fraction of 19/12 with an exact non diatonic ratio of 1.583. This gives a musical note of G# or Ab at a frequency of 418 Hz. **We have now found one of the black keys!!**

For all the computed diatonic and non diatonic ratios and the exact diatonic ratios (Integer = 0 to 24) see Appendix B. I have added this exact non diatonic ratio and note in blue to emphasize that it is not a diatonic ratio.

So what does this mean? Is there a message here or could this just be a random statistical event? For an answer we need to consider the statistical inference data which is restricted to yes/no, on/off, good/bad, or

Table 1

Circle	Diameter (Feet)	Satellite Diameter (Feet)	Integer	Diatonic Ratio	Fraction of Middle C	Musical Note	Frequency (Hz)
B	14.5	No Integer					
C	14.7	No Integer					
D	20	No Integer					
E	41	10.25	4	1.259	5/4	E	330
F	72	10.29	7	1.499	3/2	G	396
G	84	10.50	8	1.587	Not Diatonic		
H	123	10.25	12	2.000	2/1	C	528

Table 2

Circle	Diameter (Feet)	Satellite Diameter (Feet)	Integer	Diatonic Ratio	Fraction of Middle C	Musical Note	Frequency (Hz)
H/E	N/A	N/A	9	1.682	5/3	A	440
G/F	N/A	Not Diatonic					

in our case diatonic/non diatonic. This is sometimes called One Shot Reliability.

Using Dr. Hawkins 25 diatonic data points, plus our 4 from Locust Grove and these 4 from Miamisburg we have a total of 33 diatonic data points. Statistically after 33 consecutive diatonics we have demonstrated that the next point will also be diatonic with a minimum reliability of 93.2% at the 90% confidence level. For an explanation of this statistic with a sample calculation see my Web Page at Swim Outside The Pool (Gragg, p.6)

But the next point was not diatonic. So, where does that leave us now? Actually we are not much worse off statistically than before. With 33 diatonic and 1 non diatonic we have now demonstrated that the next point will now be diatonic with a minimum reliability of 89.0% at the 90% confidence level.

This does not appear to be a random statistical event. In fact perhaps the nonhumans³ have decided to now show us the black keys. Maybe there will now be a mix of diatonic and non diatonic ratios. I am certainly not foolish enough to begin predicting anything except possibly that the 2005 circles will continue to be interesting and fun.

From this analysis I conclude that we have added the following to the understanding of crop circles: This study strengthens the already existing link between crop circles and musical notes.

The Miamisburg formation is a sister formation to the Locust Grove formation.

For the first time in USA crop circles we found a musical note using concentric circles.

This is the first occurrence in any of the works of a non diatonic integer. This gives a musical note of G# or Ab at a frequency of 418 Hz. We have now found one of the **black keys**.

Footnotes:

This method is used for circles that are not concentric. If they are concentric the ratio must be squared to look for the integer. We have two sets of concentric circles which I will deal with later in the paper.

Mr. Robertson was a part of the team which made the original ground measurements. He also did the complete construction line drawing showing the relationship of all the circles. I used this to construct Figure 1 which represents the formation as seen in the field. Mr. Robertson supplied this information to me and encouraged me in this research. Again without his help none of this would have happened.

In various books, the Internet and other literature of the field there are a number of different names in use to describe the makers of the authentic circles. Some of

them are the Force, Intelligence, Higher Intelligence, and Circle Makers. I have a bit of a problem with these. Perhaps neither force nor intelligence is even applicable if we really knew how the circles were created. When I read Circle Makers I sometimes become uncertain if the author is talking about the making of the authentic circles or something that the hoaxers have created. I like the term **nonhuman** because it assumes nothing about the authentic makers and it is specific that it is not the hoaxers at work.

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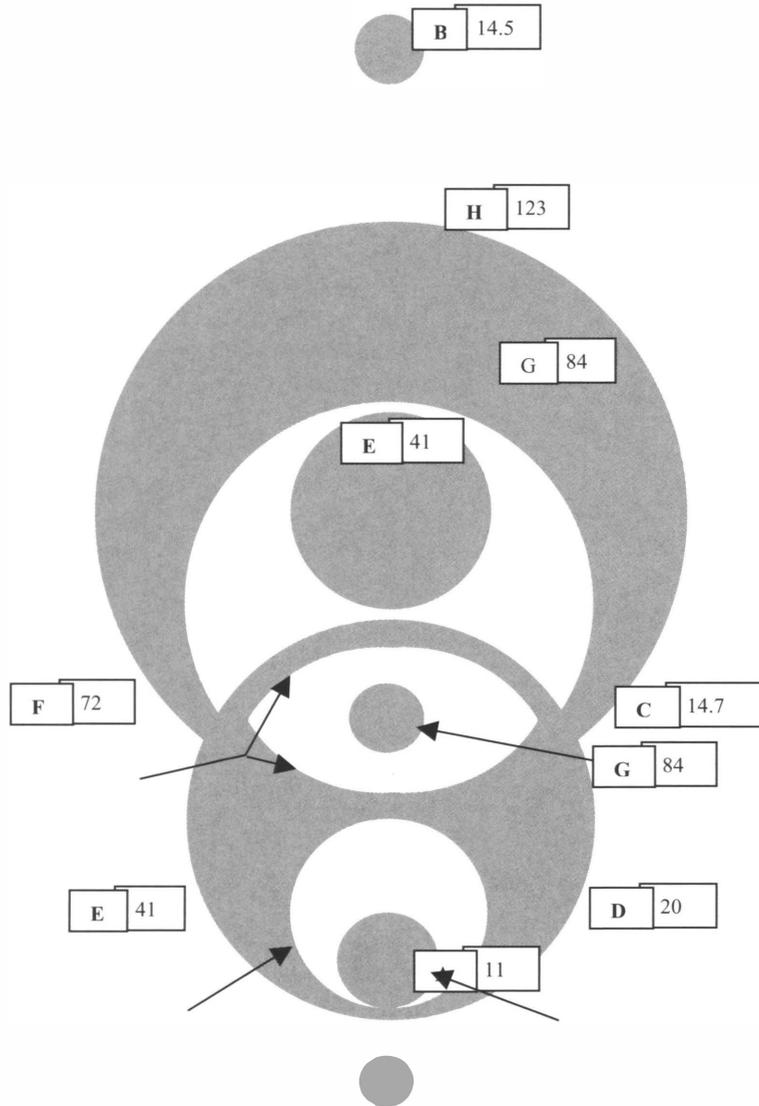
Appendix A

Frequencies In The Fields

Note Name	C	D	E	F	G	A	B	C
Diatonic Ratio	1/4	9/32	5/16	1/3	3/8	5/12	15/32	1/2
Frequency (Hz)	66	74.25	82.5	88	99	110	123.75	132
Note Name	C	D	E	F	G	A	B	C*
Diatonic Ratio	1/2	9/16	5/8	2/3	3/4	5/6	15/16	1
Frequency (Hz)	132	148.5	165	176	198	220	247.5	264
Note Name	C*	D	E	F	G	A	B	C
Diatonic Ratio	1	9/8	5/4	4/3	3/2	5/3	15/8	2
Frequency (Hz)	264	297	330	352	396	440	495	528
Note Name	C	D	E	F	G	A	B	C
Diatonic Ratio	2	9/4	5/2	8/3	3	10/3	15/4	4
Frequency (Hz)	528	594	660	704	792	880	990	1056

Denotes: found in the fields * Middle C

Miamisburg, Ohio
August, 2004



Scale: 1 in = 40 Ft

Notes:

1. Originally drawn by Ted Robertson.
2. Computer WORD drawn by Dee Gragg with help from Ted Robertson
3. Measurements by:
Ted Robertson
Jeffery Wilson

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Figure 1

Theorem/Crop Circle Summary

Frequency (Hz)	Musical Note	Theorem/Crop Circle Used For Discovery
88	F	Theorem IVB, Gragg
176	F	Theorem IB, Gragg
264 to 528	C, D, E, F, G, A, B, C	1981-88 Southern England Study, Hawkins
330	E	Locust Grove, 2003, Miamisburg, 2004
352	F	Theorem IA, Theorem IVA, Hawkins
396	G	Locust Grove, 2003, Miamisburg, 2004
440	A	Miamisburg, 2004
528	C	Theorem III, Hawkins, Miamisburg, 2004
594	D	Locust Grove, 2003
704	F	Locust Grove, 2003
1056	C	Theorem II, Hawkins

Appendix B

Integer (n)	Computed Diatonic and Nondiatonic Ratios	Exact Diatonic Ratio	Note
0	$2^{0/12} = 2^0 = 1.000$	$1/1 = 1.000$	C*
1	$2^{1/12} = 2^{.0833} = 1.060$		
2	$2^{2/12} = 2^{.1666} = 1.122$	$9/8 = 1.125$	D
3	$2^{3/12} = 2^{.250} = 1.188$		
4	$2^{4/12} = 2^{.333} = 1.259$	$5/4 = 1.250$	E
5	$2^{5/12} = 2^{.416} = 1.335$	$4/3 = 1.333$	F
6	$2^{6/12} = 2^{.500} = 1.414$		
7	$2^{7/12} = 2^{.583} = 1.498$	$3/2 = 1.500$	G
8	$2^{8/12} = 2^{.667} = 1.587$	$19/12 = 1.583$	G#/Ab
9	$2^{9/12} = 2^{.750} = 1.682$	$5/3 = 1.666$	A
10	$2^{10/12} = 2^{.833} = 1.782$		
11	$2^{11/12} = 2^{.917} = 1.888$	$15/8 = 1.875$	B
12	$2^{12/12} = 2^{1.000} = 2.000$	$2/1 = 2.000$	C
13	$2^{13/12} = 2^{1.083} = 2.119$		
14	$2^{14/12} = 2^{1.167} = 2.245$	$9/4 = 2.250$	D
15	$2^{15/12} = 2^{1.250} = 2.378$		
16	$2^{16/12} = 2^{1.333} = 2.519$	$5/2 = 2.500$	E
17	$2^{17/12} = 2^{1.416} = 2.668$	$8/3 = 2.666$	F
18	$2^{18/12} = 2^{1.500} = 2.828$		
19	$2^{19/12} = 2^{1.583} = 2.996$	$3/1 = 3.000$	G
20	$2^{20/12} = 2^{1.666} = 3.175$		
21	$2^{21/12} = 2^{1.750} = 3.364$	$10/3 = 3.333$	A
22	$2^{22/12} = 2^{1.833} = 3.563$		
23	$2^{23/12} = 2^{1.916} = 3.775$	$15/4 = 3.750$	B
24	$2^{24/12} = 2^{2.000} = 4.000$	$4/1 = 4.000$	C

* Middle C

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SIBSON: PART 2

THE METAPHYSICAL PARAMETERS OF THE PHENOMENON: AN INTERPRETATION

Michael Green

In Part 1 of this study paper I brought together scientific evidence in a number of different disciplines, geological, geophysical, geodetic, geo-hydraulic and archaeological to postulate the frame work for a new general theory about the origins of this phenomenon. As elsewhere in scientific research there are great advantages in dealing in depth with a mini ecosystem such as exists at Sibson, Cambridgeshire. Furthermore over the eight years since the phenomenon began in the Manor Farm fields there is no evidence for hoaxing. The special geological & geophysical features of the Sibson locale has demonstrated the way in which a moving sheet of water at subsoil level may have been used as a design matrix for the formations. This process appears to be brought about by the discharge of an electromagnetic field crossing this element through the medium of the geodetic telluric network, and interacting with it and its chemical components. This EM.field appears to be generated by deep, basal, plutonic activity; in turn possibly sparked by some extraterrestrial recurrent activity.

I have emphasised the importance of understanding the nature of the Intelligence behind the events at Sibson because an acceptance and appreciation of this factor is indeed the key to understanding the world wide phenomenon. In this we have been assisted not only by the nature of the agriglyphs themselves at Sibson but also by the marked parapsychological activity in connection with the site, which has affected both the farming community and the CCCS county representative. The crop formation area appears to have been sited in the vicinity of a Romano-British *nymphaeum*, whose cult statue was found nearby in 1844. The attributes of this figure have thrown light on the nature of the Intelligence involved at the site.

TERMS OF REFERENCE

One of the many difficulties that students of this subject have in approaching the metaphysics of the phenomenon, is that neither the glyphs themselves, nor the parapsychological experiences associated with them, fit comfortably within any of the world belief systems of this age. Aspects of the subject do indeed appear to relate to certain ancient religions, but these invariably were part of the socio-cultural framework of those times, which are not only difficult to

understand, (even for a scholar), but use obscure nomenclature. Consequently there is no agreed terminology to describe the Beings and Scenario which is beginning to emerge as lying behind the phenomenon.

A lifetime's study and experience of these matters has led me to increasingly rely on the tenets of what has been termed the Ancient or Timeless Wisdom (also known as the Perennial Philosophy) as the only reliable metaphysical bedrock which provides an intelligent, applicable system. This great body of spiritual knowledge, deals with the nature of deity, the origins of the manifested creation, God's expression in the natural world and His relation with mankind on the Wheel of Life, where humanity finds its spiritual apotheosis. Diogenes Laeitius writing in the third century AD, quotes Pythagorean traditions that there were four great esoteric schools amongst the Indo-Aryan cultures which had analogies with the Greek philosophic systems of the Ancient Wisdom: namely Zoroastrianism, the Magi of the Chaldeans, the Vedic Indian beliefs and the Druidic ideas of the Celts. Those in turn relate to the Neoplatonic teaching of Plotinus (3rd century AD) and the Graeco-Egyptian Hermetica which passed to the Renaissance and the Modern World. In the late nineteenth and early twentieth century these ideas were developed by the Theosophic and Anthroposophic schools, much of whose information was directly (Blavatsky) or indirectly (Steiner) channelled. Outstanding amongst the individuals who were used as agents in this way was Alice Bailey (1880 –1949), who channelled the teachings of Djwhal Khul for 30 years, and produced in the process a dozen major studies. It is not my purpose to produce an extended *apologia* for this important body of spiritual teaching, but merely to note that this is the only corpus in my experience which appears to relate directly and appositely to the crop circle phenomenon.

THE COMMUNICATION FORMAT

As with the geophysical aspects it is of immense value to have a single-source, concentrated output of formations. Unlike the diffuse (and corrupted) scenario in Wessex it enables the researcher to study the whole communication process, which turns out to be both structured and comprehensive.

The 13 formations at Sibson (leaving aside the *unnumbered* circle in 1990) produced in 8 seasons, are relatively simple in design, unlike the elaborate (mostly man-made) confections in Hampshire/Wiltshire. One of the major problems is the extent to which the missing years (1993, 1994 and 1997) upset the sequence of the communication process. These gaps were due entirely to our own silly fault. The controlling Intelligence absolutely refuses to put down formations if there are human beings in the locality, and indeed expressed its displeasure on the occasion of the first crop watch by refusing to perform in a subsequent year (1994). It has to be said however that later in the autumn of 1997, the Devic energy plume appeared again to Christine Saltmarsh as if to reassure her that the phenomenon would continue. However it is my perception that we have not actually lost any elements of the communication sequence, merely delayed the process.

In 1990 there were four principal formations, two which were concerned with the actual message (Nos. 1 & 3). The other two formations (No. 4 & 2) were, respectively, a signature or identification logo and an apparent 'contents' or programme feature. (Fig 2).

'Signed' formations have been a feature of the phenomenon since 1990, and the two at Sibson (Nos. 4 & 8) have appeared in other contexts. On 25.7.90 a group of three logo formations appeared in a field together at Beckhampton (Avebury) CO-SU.085085. Both I and the late Ralph Noyes inspected the formations which were clearly geophysical and both we and others experienced electromagnetic anomalies.

These formations contribute the signatures of what are known esoterically as the Raja-Lords (Archangels) of the Brothers of Energy. These are the cosmic Intelligences who are the agents of manifested creation, whom in their myriads constitute the Devic world, which is parallel to and deeply integrated with humanity. Both we and they are on a course of spiritual evolution, and will increasingly interact and assist each other.

Each of these signatures incorporates the cosmic shorthand conveying origin, grade and name: it also provides a symbol which is both a logogram (picture of the object it denotes) and a phonogram (letter with a sound value). These letters operate on the principle of notaricon cryptography (where a letter is an abbreviation of a word). Finally they incorporate within their sacred geometry a chord or sound logo.

Why are these Beings communicating with us? Djwhal Khul states that 'the greater Devas that preside over the magnetic spots of the earth ... are at this time working definitely,

though temporarily under the Lord Maitreya' (The World Teacher, 'the Christ'). 'The Raja Lord of the astral plane. Varuna and his brother Kshetra. have been called to the council chamber of the (Planetary) Hierarchy for specific consultation, and just as the Masters are endeavouring to prepare humanity for service when the World Teacher comes, so these Raja Lords are working along similar lines in connection with the devas. They are arduous in Their work, intense in Their zeal but much obstructed by man'. (*Bailey A A A* } *Treatise on Cosmic Fire* (1925) 912-913). Evidently the crop circle phenomenon is one of the fruits of this collaboration, and, as is evident in this context, is concerned with spiritual teaching.

Djwhal Khul mentions two of the three great Devas of *the Thrones* of the First Hierarchy (*Spirits of Will* according to Steiner) whose operations at a cosmic level are concerned with level 4 (creation) of the *Formulas* (see p.5, Part 1). Evidently the senior member of the Triad of Raja Lords, *Agni* is also involved, for his is the triangular formation at Beckhampton (Fig 1, 5a) The upward pointing, isosceles triangle has been the esoteric symbol for fire since time immemorial. It also has the phonemic value for A using the ancient Iberian letter form. The two rectangular boxes indicate that *Agni*, as the Lord of Flame, operates from the Second Cosmic Level (subplane 5) as an Intelligence (the fivefold structure) actuating the fire of the Logos in His triple aspect (the three triangles): creation, preservation and destruction (the three faces of *Siva*).

The logo is in its own turn signed with the identification glyph of the Planetary Logos, a large circle (the earth) and a smaller circle (the moon). Each of the three signatures incorporates or has attached, the glyph of the Planetary Logos as a recognition of their collaborative status.

The second signature at Beckhampton (Fig 1, formation 6b) is that of *Varuna* Raja Lord of Water/Moisture Air with a special responsibility for all those that depend on this element for life. It consists of a dish form with terminals comprising an involuted large and small circle. In all the formations which had this glyph as its logo, the dish is angled as if water was being poured out. The glyph itself is reminiscent of the ancient Glagolitic letter *vedi*. Indeed it would not have been possible to identify this signature at all if it had not appeared again in 1991 at Upton Scudmore clearly associated with the emblem for Varuna, the trident.

The third signature at Beckhampton (Fig 1, formation 7a) is that of *Kshetra* the Raja Lord of earth (ie solid matter). The glyph in Senza and indeed most ancient alphabetical systems is that for S (the K of *Kshetra* is silent) with the logogramatic

implication of a writhing snake. Since all matter has as its basic subtle energy form the spiral, the analogy is peculiarly apt. The larger formation incorporates three circles, one of which is probably meant to represent the head.

The symbols of Agni, Varuna and Kshetra have been appearing in different contexts throughout England since 1990. Sometimes they are single signatures accompanying a major crop formation concerned with spiritual teaching. An example of this is the Varuna motif associated with the crop formation at Wylye, Wiltshire (early August 1991). This formation is a *diagram* of the structure & function of the human psyche in relation to the Logoic planes and rays. On other occasions, as at Sibson (Fig 1, 6b; Fig 2 & 4) they appear at the onset of a series of formations spread over the years in one particular location. An example is the Agni formation at Cullompton, Devon (8 August 1990) which accompanied a ringed circle. Unfortunately either hostile farmers or lack of interest by local investigators resulted in either a discontinuation of the formations or their failure to be recorded. It is clear that initially in the early nineties a number of locations were apparently chosen for this type of communication across the country.

Only at Sibson, however, have the conditions been apparently right for an extended teaching programme of this type to be fully recorded.. Formations of this type in Wiltshire and Hampshire for 1992 onwards need to be distinguished from the clutter of hoaxed formation which surround them and the accompany man made signatures. In an ideal world it should have been possible, countrywide, to see from the context of these Archangelic communications whether there are areas of specialisation or indeed common motifs which are being pursued at any one time.

At Sibson, formation 4 (26 July 1990) is a signature or identification logo and was accompanied by a 'contents' or programme feature (Fig 2, formation 2) (20 July 1990). The logo formation 4 is of the greatest interest, not only for the information it conveys about the source of the communication, but because the character of its appearance gave clear indication that it was a genuine geophysical feature (see 'authentication' in part 1). As already mentioned, this particular logo has appeared on two previous occasions: at Upton Scudamore, Wiltshire on 21st July 1991 and Wylye, Wiltshire in August 1992.

INTERPRETATION

Over the last fifteen years I and other researchers have identified other important geophysical formations elsewhere, but to my mind the group at Sibson as a whole constitutes

the most significant metaphysical event of this phenomenon that we have had at any time. I have decided to reopen the case again. since, following a two year gap, it appears that after 13 formations the present cycle is now complete.

Obviously we can, as in the past, just look at the formations in terms of their own individual symbolism, sacred geometry and mathematical properties. However, my feeling is that the Sibson paradigm contributes a discrete body of information dealing with some specific theme. Clearly we may all have different views as to what this might be. What follows is, after deep thought and meditation, my own considered interpretation.

My basic metaphysical position is that of a theosophist, and it is to this body of ideas that I have looked for some sort of guidance over Sibson. One of the most important areas of teaching concern what Djwhal Khul calls collectively the 'Laws of Thought'. These formulations concern the basic laws of our system comprising three 'Cosmic Laws', the 'Law of Karma' and seven 'Solar Laws'. These are all set out in *A Treatise on Cosmic Fire* by Djwhal Khul transmitted by Alice Bailey. The Sibson corpus fits this format extraordinarily well, and most of the individual formations can be identified as symbols of particular 'Laws'.

Djwhal Khul had some difficulty, on his own admission, in finding the appropriate English expressions for describing, what are in essence, abstract metaphysical paradigms. I have used the same terminology although I am aware that in the 21st century perhaps a better communication format might be adopted for the benefit of the scientific community.

The signature (Fig. 2, formation 4)

After a single circle acting as a 'flier' to draw attention to the site, early in the season of 1990 (the normal procedure with such transmissions), the sequence appears to have opened with a signature or 'logo' first noticed on 26.7.1990.

The glyph is reminiscent of the ancient Glagolitic letter VEDI. Indeed it would not have been possible to identify this signature at all if it had not appeared in 1991 at Upton Scudmore clearly associated with the emblem of Varuna (aka Poseidon/Neptune), the trident. Varuna is the sixth Deific Ray associated with water, moisture and air. At a more subtle level Varuna is connected in the Timeless Wisdom with the solar plexus chakra of the emotions, feeling and 'worship'. The glyph comprises a disc shape with involuted terminals of a large and small circle, whose relationship in terms of sacred geometry provides a sound value. In all formations that have this glyph as a signature, the disc is angled as if water was being poured out of a dish.

I have gone into some detail over the Varuna signature in order to illustrate how complex, and indeed potentially informative, even simple symbols can be. All the other 12 formations at Sibson may have similar properties.

THE COSMIC LAWS

Symbols for three Cosmic Laws were put down in 1990, around the same time as the Varuna signature:

1. The Law of Synthesis (Fig 2, law 1/formation 2)

This law conveys the principle that all the elements of the cosmic sphere, the unmanifest centre and the circle of manifestation should be regarded as a single unit. This principle is neatly symbolised by using the ancient symbol for deity (a solid disc with a hole in the centre) which has the twelve symbols of the laws round the toroid of the crop formation.

Unfortunately the formation was only noticed on (poor) aerial photos and never inspected on the ground. The Crop Circle Makers attempted, apparently, to replicate this information at another Midland site at Longbridge Lane, Hopwood. Again the information was lost due to an uncooperative farmer, and the symbols were trashed by children from the nearby estate.

2. The Law of Economy (Fig.2, law2/formation 3)

To quote Djwhal Khul, this law expresses the principle that 'each atom of time and each eternal period is made perfect so that all can be carried inward and upward and through'. This idea seems to be indicated by the Bi disk of deity having an open inner ring rather than a 'solid' circle in the Crop formation.

3. The Law of Attraction (Fig 2, law3A/formation 1)

This gravitational law 'holds that the matter of all physical plane bodies is coordinated around their microcosmic centre.' Djwhal Khul subdivides this law into four aspects. The aspect represented in formation I (3A) concerns the *Law of Monadic Return*, i.e. every unit of the cosmos is programmed to find full expression and development by symbolically moving to the outer limits of manifestation, and is equally driven to return to the centre (deity) carrying the fruits of their experience for assimilation and further development. This process is symbolised in the crop formation by having the Bi disc of deity with a small circle (which is actually a tiny version of the Bi disc) lying just within the periphery of the outer ring.

The Law of Radiation and Periodicity (Fig 2, law 3B/formation 5A) is a follow through of the Law of Monadic Return in as much that 'when the atomic cycle is completed (ie. all the purposes of manifestation have been

accomplished) the central life (the spiritual essence) escapes'. I believe this truth is symbolized by the composite formation that appeared on 23.7.91 (formation 5A), which has the central life moving beyond the ring-pass-not of the circle of manifestation.

The Law of Expansion (Fig 2, law 3C/formation 5B)

The principle is a simple one: 'All that is in existence dwells within a sphere', and is symbolised by a large, simple ringed circle.

The Law of Solar Evolution (Law 3D) states that all matter 'revolves orbitally around its solar centre'. This could equally be symbolised by formation 1 as discussed above.

THE SOLAR LAWS

These seven laws are fairly clearly delineated in symbolic form at Sibson, but in reverse order to that set out by Djwhal Khul. This may have been for a practical reason namely to ensure that the more important formations at the beginning of the listed sequence were accurately measured, which indeed was what happened. I follow Djwhal Khul's sequence and nomenclature.

1. The Law of Vibration (Fig 3, law 1/formation 12; Figs 3, 4 & 5)

'The Logos (i.e. God) uttered the sound, a threefold sound ... it forms one of the notes of the major cosmic chord.' This 3-overlapping-rings event occurring on 23.6.2000 has a harmonic C-G on the Diatonic Scale. When I tried to record this on my tape-recorder in the formation, it completely blew the machine and the tape was twisted into a tight ball. I was never able to use this piece of equipment again. A similar geophysical formation occurred at Marlborough, Wilts on 3.7.2003. Indeed most of the Solar Law symbols have occurred in Wiltshire/Hampshire in recent years, but not as a coherent sequence as at Sibson.

2. The Law of Cohesion (Fig 3, law 2/formation 11)

This complex formation which occurred on 28.7.1999 was closely examined by researchers. Djwhal Khul defines this law as applying to the dynamics of the three-fold love' system. 'All branches of the Law of Attraction demonstrating in this system, show themselves as a force that ingathers, that tends to coherence, that results in adhesion, and leads to absorption. All these terms are needed to give a general idea of the basic quality of this law'.

3. The Law of Disintegration (Fig 3, law 3/formation 10)

This formation which occurred on 4.8.98 on the edge of the airfield was, I thought, an accident since half the formation was under the runway;. However, I was wrong, since it

appears to have been done deliberately this way. This law is concerned with the dynamics of the ultimate shedding of sheaths (of manifestation). The manifested forms are broken up so that they can be rebuilt anew in an improved state. What better way to demonstrate this difficult symbolism than by showing the formation half missing!

4. The Law of Magnetic Control (Fig 3, law 4/ formation 9)

'The force of evolution drives the Ego to progress through the cycle of reincarnation back to union with his kind'. This law, which is clearly related to *Cosmic Law 3A*, is another difficult paradigm to convey in symbolic linear terms. This formation on 28.7.1998 may indeed show the truth of this principle by having a small circle travelling metaphorically along the line of the energy path through the ring symbolising reincarnation/manifestation and emerging the other side as a circle again, but on a different alignment.

5. The Law of Fixation (Fig 3, law 5/formation 8)

The formation associated with this law appeared on 27.7.1996 and was carefully measured. The idea behind this symbol is concerned with the problem of the crystallisation of matter (the manifest state), particularly mental or spiritual stasis. The old forms or mind-sets need to be shattered so that rebirth and new development can take place as part of the process of evolution. The lightning-strike between the two rings is, however, more than just symbol of destruction. It is carefully delineated, and is in fact the cursive glyph *S* found in that most ancient of Indian scripts, (Gupta). This writing system found its way from India into Central Asia, including Tibet (where Djwhal Khul may have met it) in the early centuries of this era. The glyph is a notaricon for the name *Ksbetra* (see above), who is the deific seventh Ray of solid matter with the logogramatic implication of a writhing snake (the ancient symbol of the Earth deity).

6. The Law of Love (Fig 3, law 6/formation 7)

The principle of 'Love' is the mainspring of the cosmos. 'Love perfects all that is' as Djwhal Khul puts it. It is therefore appropriate that this symbol of 26.7.1995 quite simply shows the BI glyph for deity, on the principle perhaps that 'God is Love'.

7. Sacrifice and death (Fig 3, law7/formation 6)

This concludes the Solar Law sequence, and deals with the final aspect of life, namely the necessary death of all systems, not merely human. 'Destruction of the form that the evolving life may progress', as Djwhal Khul puts it. 'Sacrifice' is an issue here since evolution involves eventually for all spiritual beings a loss of the manifested state, with all its pleasures and pains, for dematerialized existences as pure

spirit. The *vesica piscis* formation (19.7.1992) expresses this idea well since it symbolises the spiritual essence (the *Bi* glyph, whether human, solar or cosmic) moving out of the ringed circle representing form or manifestation.

All the Sibson formations were heralded by the appearance of a 'Light Form' to the local investigator, Christine Saltmarshe and her family at their home. Although this Light Form has appeared in other contexts at Sibson, it was particularly noticeable at formation 6. The farmer, David Hope, saw a misty figure in the formation. My ground-shot photos show the same misty shape in the *vesica piscis* associated with balls of light.

THE LORDS OF LIBERATION (Fig 6, formation 13)

It should be noted that the Law of Karma, which is listed by Djwhal Khul amongst the Cosmic and Solar Laws, is not included by me in this series. The Law of Karma, the law of 'cause and effect', as it is generally known, has its origins outside our system and operates to ensure that the due processes of development in the cosmos are observed. There are four Lipika Lords (Recording Angels) who advise the Planetary Logos on these matters. My feeling is that this law is not covered in this series of formations, but has been replaced by a symbol of a related and transforming function. This to my mind is represented by formation 13, which appeared as the last in the sequence in late July 2001. (Fig. 6).

This formation in its rather rushed and untidy construction appears to be almost an afterthought, although apparently part of the main sequence. It has given us some problems, for, although some found it acceptable as a geophysical event, others did not like it. Thanks to a careful survey, it has been possible to accurately plot the formation. If this had been hoaxed, I would have expected the setting-out points of the arcs to have been in the flattened crop along the perimeter of the outer circle. However, this not the case. The setting out points were in the standing crop, and there is no evidence from the aerial photo that this had been disturbed.

At first sight the formation appears to represent in diagrammatic form a 3-dimensional picture of the planet as viewed as a globe of manifestation with a spiritual centre. However, it is my perception that the apparent northing and easting grid lines also represent the overlapping arcs of three great Agencies whose centers form an equilateral triangle around the spiritual centre of the planet, and whose influence effectively overshadows, indeed encompasses the Earth. These Beings are termed in the Timeless Wisdom the three Lords of Liberation. Indeed both the Lords of Karma

and the Lords of Liberation have one aspect in common: both represent an input of spiritual power from outside our planetary system. To use a Christian expression, if the Lords of Karma represent cosmic law', the Lords of Liberation demonstrate cosmic 'grace' in action.

Djwhal Khul describes Them as 'three in number, and one of them is closer to the Earth and to humanity than are the other two, and it is He who can be reached by those who comprehend the nature of freedom and who desire above all things to be liberated and to see all the oppressed and enslaved peoples also to be liberated' 'The note They strike and the quality They emanate reach out and makes an impact upon the most developed of the Sons of men found at any particular time upon the Earth. These then proceed to make the sensed idea their own and to familiarise the thinkers of their time with the formulated concept. In this way great motivating, divine purposes became controlling factors in human progress.' (Bailey A.A. *The Extemalisation of the Hierarchy* 1957, 267 etc.)

The second stanza of the Great Invocation opens with the words "Let the Lords of Liberation issue forth. Let them bring succour to the sons of men..."

Djwhal Khul does not make it clear from where these great angels originate. He states that 'They issue forth via that highest spiritual centre where the Will of God is known.' 'God' I think in this context would be the Solar Logos of our system. This would suggest to me that They are messengers or avatars from the Three Rays of Aspect of that great Cosmic Being, Archon, of whom our solar system constitutes one centre.

Whether or not the sacred geometry of this formation, given its metaphysical parameters, can be established is unclear. However the above quotation from Djwhal Khul does mention 'The note They strike...' if this is not just a metaphor in this context. Nevertheless the fact that the Crop Circle Makers may be drawing our attention to this important matter again at this time in the World's history does appear to be significant.

CONCLUSION

So what does it all mean, and what practical applications might result from a systematic study of the Sibson and similar formations?

There is clearly room for discussion about the identification of any symbol and its relationship with a particular law – even within my terms of reference. However to do so here would unreasonably extend the scope of this article. I

consider that the Sibson paradigm is more than just a set of mandalas for our edification. I believe that the formations may constitute analogues encoding important information for humanity. At first sight this may appear to be difficult since most of the laws appear to be abstract formulae, not necessarily susceptible to mathematical analysis.

One approach that should be considered is their relationship to the creative nature of vibration and harmonics. As Djwhal Khul puts it 'all that exists is based on sound or on the 'Word.' The 'Word' in this instance represents articulated ideas, and of course is the basis of the ancient mantric tradition. The science of harmonics properly applied affects every aspect of human psychology and physiology - and indeed not merely that of mankind. We have been aware of this for some time, and the mathematical analysis of formation 12 shows how the application of sacred geometry and consequent mathematical formulae and musical notation might be applied. This now needs to be considered for all the other laws where applicable. Clearly this type of information (about which Djwhal Khul was so reticent eighty years ago for fear of its misuse) is now in the context of the crop circle phenomenon being provided in greater detail over a wider sphere of subjects - but obviously still with certain built-in safeguards. The advanced thinkers of humanity need to know the principles behind such weighty concepts and their possible application in such areas as medicine and agriculture for example.

We are really only at the beginning of formulating an intellectual, indeed spiritual rationale of this material. Beyond this lies the transmutation of these formulative ideas into practical spheres of activity - which, if I am right, will involve many other specialists beyond the immediate circle of the crop circle community.

It should be appreciated that what I have set out here is a theoretical interpretation based both on my own belief systems and a not inconsiderable experience of other 'states of reality'. Some may not feel comfortable with the nomenclature and terms of reference I have used, but it is the best I have to hand - perhaps some of the best that is to be found anywhere in this age. But I am aware that it is only a facet of the truth, which every great culture has expressed in different ways in terms of its own religious experience.

The geophysical crop circle phenomenon is utterly mysterious, but serious investigators have had the amazing experience that if one is prepared to take it seriously as an intellectual paradigm, the Crop Circle Makers will come more than half-way to meet us in terms an understanding of what is being conveyed. In short, They accommodate

themselves to our own intellectual limitations, which is perhaps the best we can reasonably hope for at this time.

(Copyright Michael Green, President CCCS).

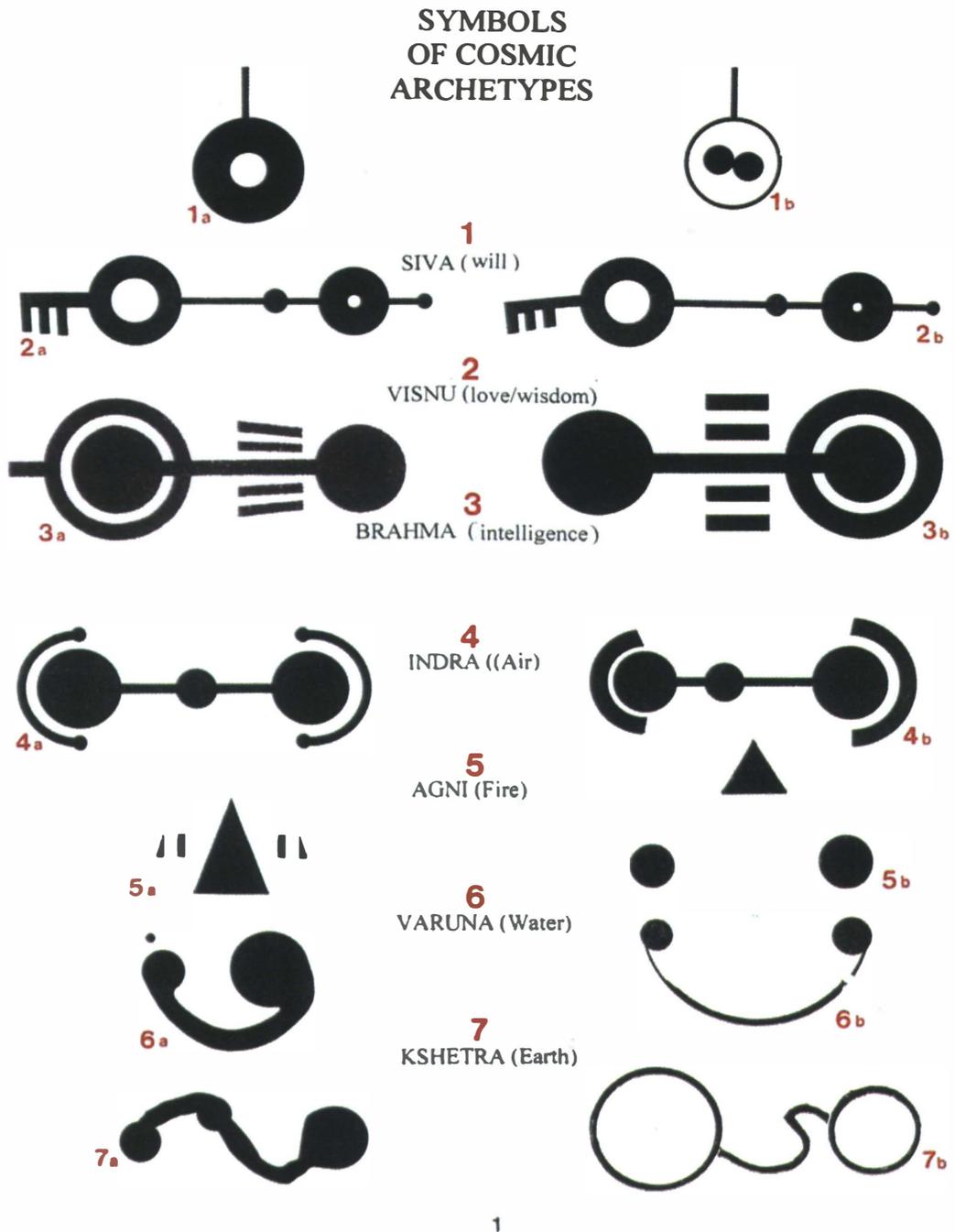


FIG 1

**CROP FORMATIONS
AT SIBSON;CAMBS.**

**THE LAWS OF THOUGHT
COSMIC LAWS**

LAW		FORMATION
1.		Synthesis 20-7-90 2
2.		Economy 20-7-90 3
3A		Attraction 26-7-90 1 MONADIC RETURN
3B		PERIODICITY 23-7-91 5a
3c		EXPANSION 23-7-91 5b
		26.7.90 4
	SIGNATURE "Varuna"	

FIG 2

2 — THE LAWS OF THOUGHT

SOLAR LAWS

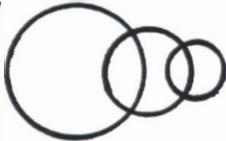
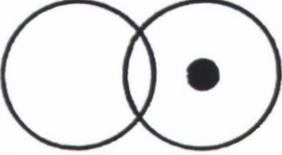
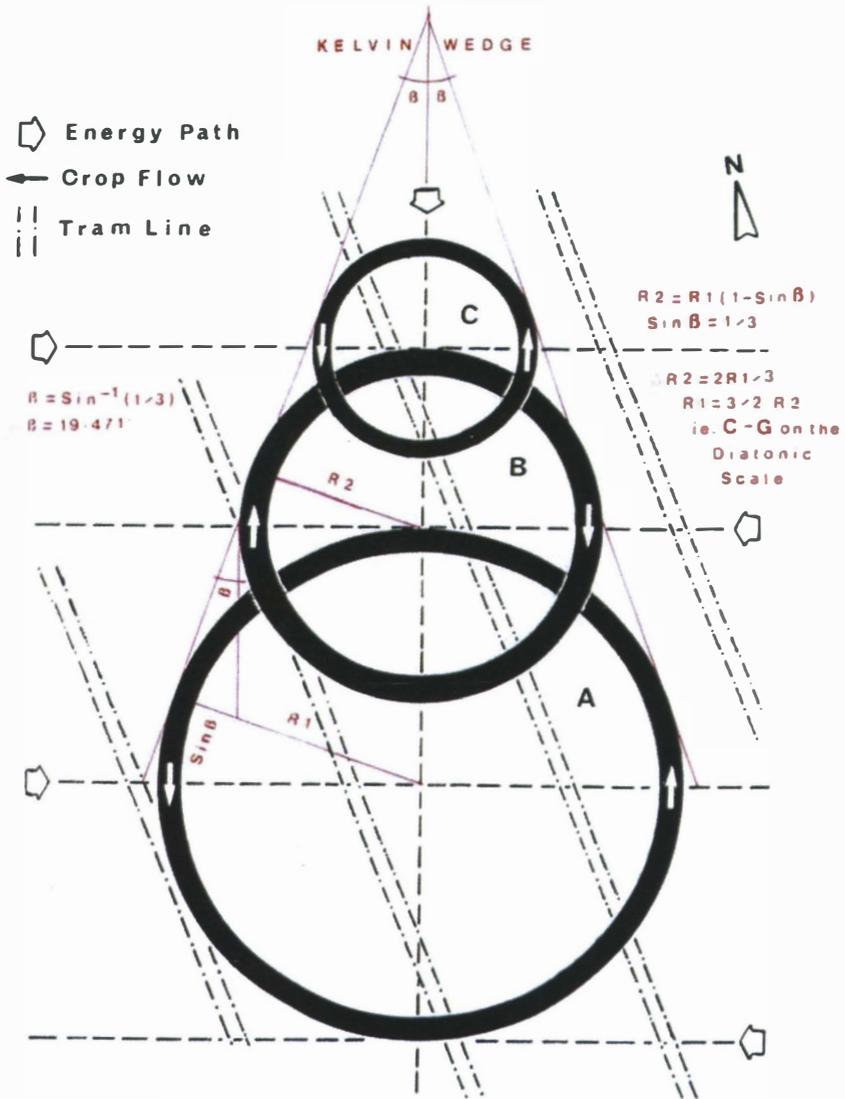
LAW			FORMATION
1.		Vibration	23 - 6 - 00 12
2.		Cohesion	28 - 7 - 99 11
3.		Disintegration	4 - 8 - 98 10
4.		Magnetic Control	28 - 7 - 98 9
5.		Fixation	27 - 7 - 96 8
6.		Love	26 - 7 - 95 7
7.		Sacrifice & DEATH	19 - 7 - 92 6

FIG 3

THE LAW OF VIBRATION FIRST SYSTEMIC LAW OF BRAHMA



CROP FORMATION 12
AT SIBSON, CAMBS.
23.6.2000 TL08859675

Scale 0 50 100 ft.

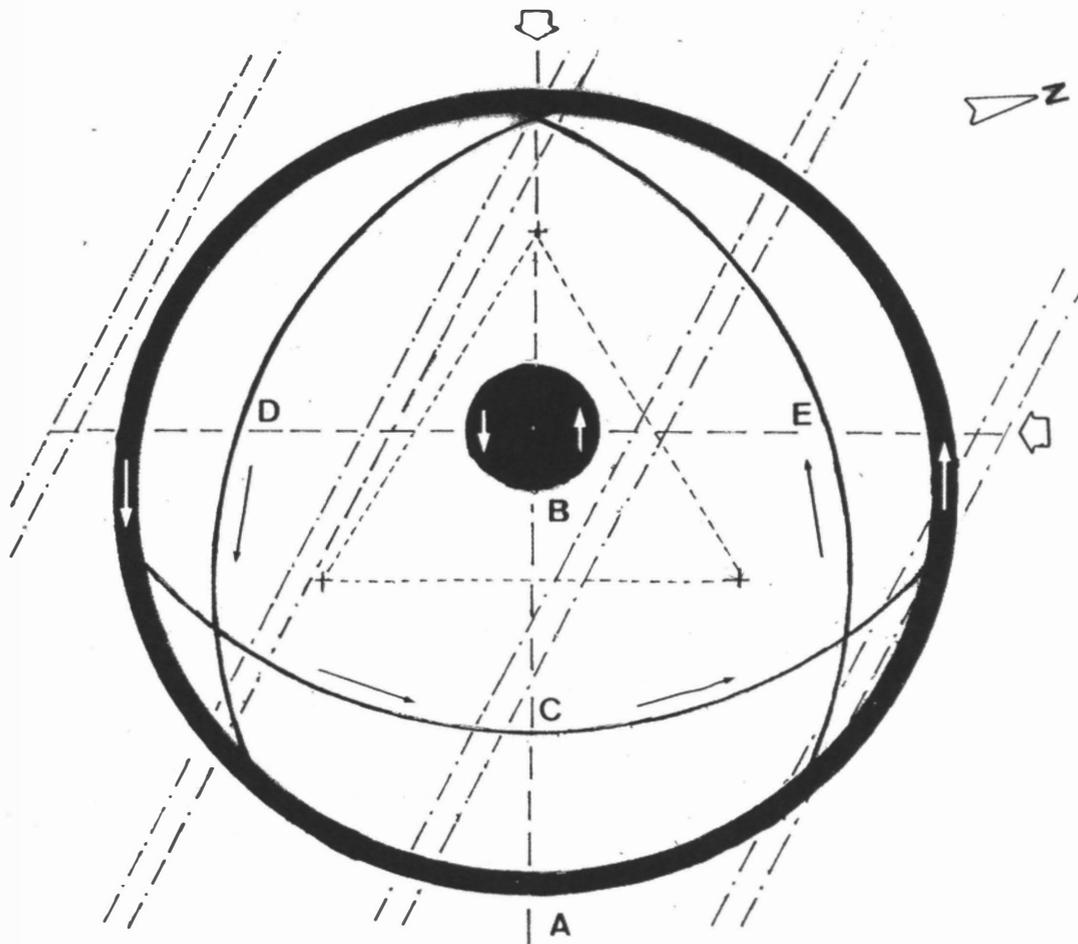
M.N.mens.; M.G.delt.; J.R.calc.

A 205 ft.diam.	'Brahma'
33020 sq.ft.	
B 143 ft.diam.	'Vishnu'
16067 sq.ft.	
C 89 ft.diam.	'Shiva'
6224 sq.ft.	

FIG 4



FIG 5



CROP FORMATION 13
 AT SIBSON, CAMBS.
 late 7.2001 TL09109810

A 236 ft.diam.
 43761 sq.ft.
 B 38 ft.diam.
 1133 sq.ft.
 C-E 146 ft.rad.

Scale 0 50 100 ft.

M.N.mens.: M.G.delt.: J.L.calc.

-  Energy Path
-  Tram Line
-  Crop Flow
-  Radial Centre

FIG 6

THE GEOPHYSICS ASSOCIATED WITH THE SIBSON CROP CIRCLES PHENOMENON: A CAUSATIVE MODEL

By Michael Green, and Jim Lyons

Michael Green puts forward a new scientific paradigm to account for the crop circle phenomenon, with contributions by Jim Lyons.

There is a general awareness amongst the investigators involved that the Sibson (Cambs. UK) site is a particularly suitable test area for scientific investigation.. To the best of my knowledge, of the 11 formations since 1990, none have been man made. Furthermore its discrete, geophysical format provides a rare opportunity to examine, in particular, the geotectonic functions in operation. These have been accompanied by marked parapsychological activity, which cannot entirely be accounted for by natural geomorphic phenomena.

CROP FORMATIONS: summary (Figs. 1, 2, 3A & 3B)

1. TL09159696. Field 10; 24/25 July 90:Wheat
Central circle (C/W) 25 ft. Ring (C/W) 190 ft. Inner tangential circle (C/W) 40 ft. with standing centre.

2. TL09109710. Field 8; 19/20 July 90:Wheat
Inner ring 59 ft. Out ring 118 ft. Not examined on ground. Air photos show faint traces of 12 (?) features, possibly glyphs, symmetrically placed between the rings.

3. TL09229665. Field 10; 24/25 July 90:Wheat
Inner ring 51 ft. Outer ring 210 ft.

4. TL09489678 Fields 3 & 18/3; 24/25 July 90:Wheat.
Glyph. Circles 12 ft. 4 in. & 14 ft. Curved path, broken after cutting through and scorching hawthorn hedge (crop & grass verge unaffected).

Unnumbered TL094964 (?) Field 16/1; 1990
Reportedly a plain circle. Neither inspected nor recorded.

5A. TL09149695 Field 10; 22/23 July 91:Wheat
Central circle (C/W) 25 ft. Ring (C/W) 94 ft. Outer tangential circle (A/W) 15 ft.
The formation is located over feature 1 of 1990. Positive results from NIAB testing.

5B. TL09149688 Field 10; 22/23 July 91:Wheat
Ring (C/W) 236 ft.

6. TL0895715. Field 8; 18/19 July 92:Wheat.
Vesica Piscium South ring (A/C) 250 ft. North ring (C/W) 250 ft.

North central circle (A/C) 55 ft.

7. TL09179670 Field 10; Early August 95; Barley
Central ring (A/W) 23 ft. Outer ring (C/W) 120 ft. Positive results from ADAS testing.

8. TL09009621 Field 8; 26/27 July 96:Wheat
North ring (A/C) 110 ft. South ring (A/C) 81 ft. Connecting glyph 95 ft. long.

9. TL09049733 Field 9; 27/28 July 98:Wheat
Central ring (2) (C/W) 133 ft. North circle (1) (C/W) 25 ft. South circle (3) (A/C) 32 ft.

10. TL09339680 Field 3 & airfield runway. 3/4 August 98
North circle (1) (A/C) 144 ft. South circle (2) (C/W) 282 ft.

Measurements (to nearest foot) to outer edge of formations.

AUTHENTICATION

The Sibson formations are bounded by the A1 to the east and the B671 to the west, but are not overlooked by either road. The Nene Valley railway lies in a deep cutting and tunnel to the north. To the south is the Sibson Airfield. The fields in which the events take place are overlooked by the farmer's house at Manor Farm and the control-tower of the airfield from which there is 24 hour surveillance. It is inherently unlikely, although not impossible, for hoaxing to take place without being observed by either of these sources.

In 1990 no scientific tests were made of the five formations of that year. However it is recorded that at feature 6 (Fig. 2) where the curved path of the glyph cut through a hawthorn hedge, the hedge was scorched although no damage was done to the crop or the grass verge of the field.

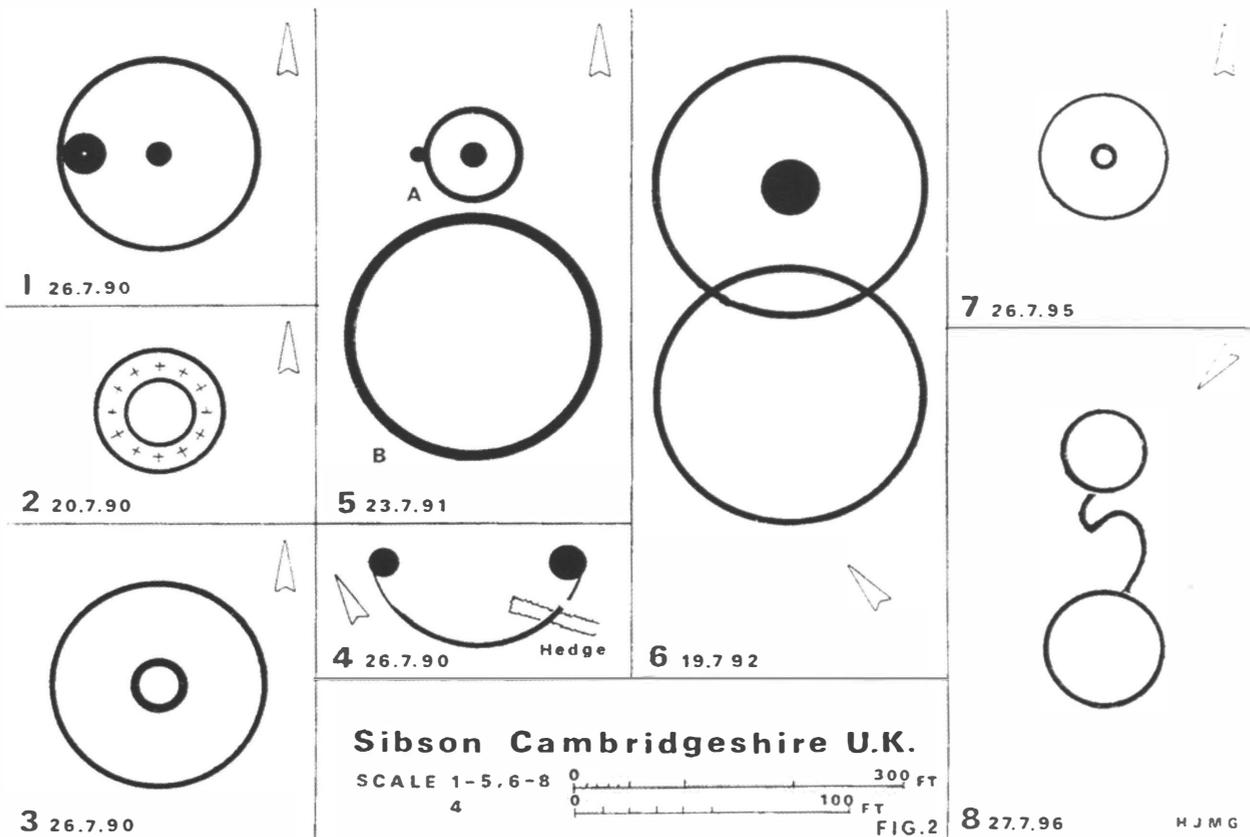
In 1991 extensive crop sampling tests were carried out on features by Montague Keen, then Scientific Officer for the CCCS. His report (K003/SIBS/791) mentions that the 'stems were intact, apart from the basal bending'. The National Institute of Agricultural Botany (NIAB), at Cambridge who examined plant samples, reported that disease was not a factor in the bending of the stems, but that the circle stems were found to be crushed about mid-height, a mysterious feature attributed by Keen to the 'flattening force'. Keen who was the first person to

enter the formation, noted that in the case of the big ring there was 'a total absence of any visible approach to, or sign of disruption at, the centre of the untouched circular area around which the broad ring was described.'

In 1992 the large formation, feature 6, showed no evidence of breakage or snapping of the stems (except at the base where bent). No scientific tests were carried out in 1993 and 1994. In 1995 soil samples from feature 7 were collected by Christine Saltmarshe and sent to the Agricultural

No formation appeared in 1997, and the results of tests in the two features of 1998 (nos. 9 & 10) are reported below (Annexe 2). Newark however reports positive dowsing results. Farmers' mobile phones cut out when harvesting feature 9.

Aerial photos of formations since 1990 show none of the ring structure associated with man made formations manufactured by using rollers or boards. The formations at Sib-



Development Advisory Service (ADAS) laboratory at Wolverhampton for Nitrate-N readings from inside the formation and a control outside. Jim Lyons commented on the results of these tests: 'the central value exceeded the control by over 350%. Other circumstances relating to the creation of this formation led to a strong conviction that this was geophysically created. The dowsing pattern was also 'classic.' [Since 1995 all the formations have been dowsed by Lyons & Newark - both seed and on the ground - and have produced positive results.]

In 1996 seed dowsing for aura tests was carried out on feature 8. Lyons' comments on the results: "aura tests indicated genuineness of the formation although the energy levels were not dramatically high".

son may therefore, on the basis of these various results, be regarded as geophysical with some degree of confidence.

GEOPHYSICAL (Fig. 4.)

The geological structure of the area is marked by basal, igneous activity, particularly that of the *Lower Palaeozoic shales* associated with the Caledonian deformation. The granodiorites of this system which runs as a belt north-west to south-east beneath the site, have saturated densities around 2700 kg m³, approximating to grain densities. This band of deep basaltic activity is shown in the aeromagnetic anomaly survey (OS sheet 52° N-02° W: - 1980) which indicates a complex pattern of local magnetic 'highs' and 'lows' associ-

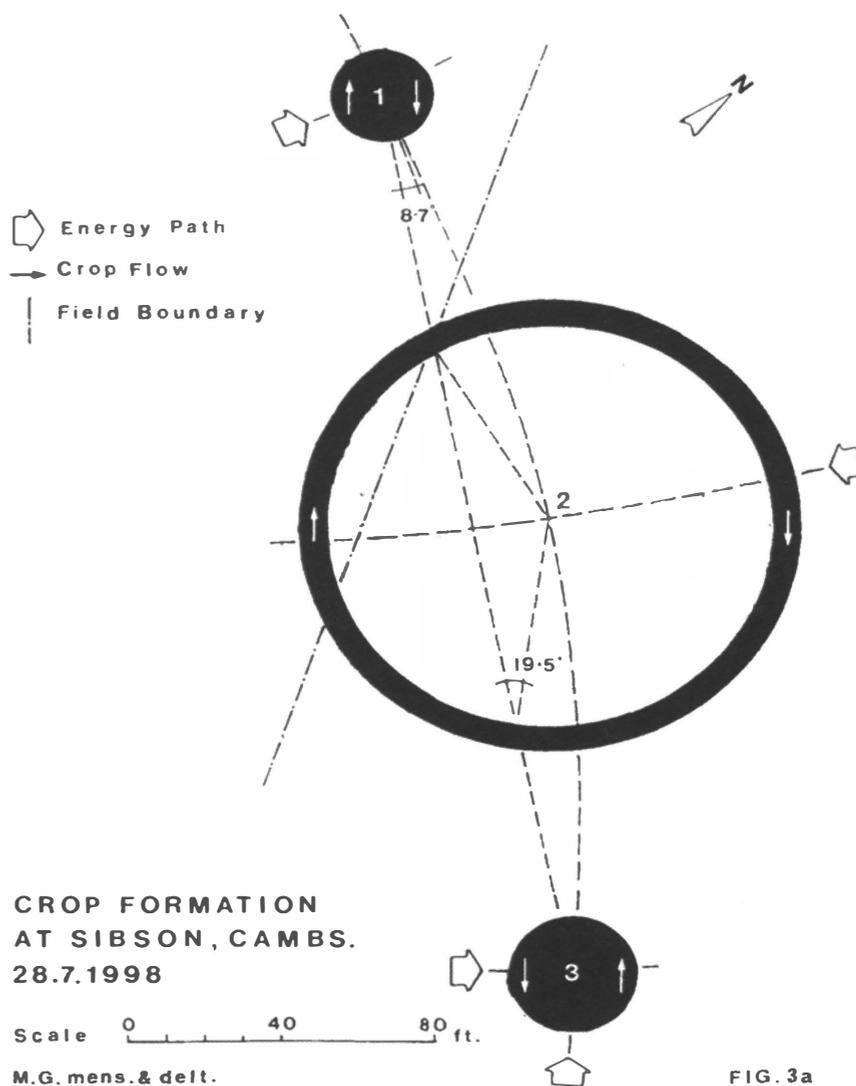


FIG. 3a

Overlying the Blisworth Clay to the south, in the area of the Sibson aerodrome is a layer of *Cornbrash*, a hard, detrital, shelly limestone. At its basal levels (as here) it forms a brown, marly limestone, very ferruginous. This level is generally permeable.

Underlying the Blisworth Clay belt is the *Blisworth limestone* (Great Oolite Limestone) which emerges as a level running north-west to south-west. The limestone at the top of the formation weathers to a calcareous, permeable loam.

At the top of the site there is also evidence for *Periglacial features*, the result of the area being subjected to the cold climatic environment induced by the glacial ice cover of the last Ice Age (Devension Glaciation). Extremes of cold caused contractions in the ground and resulted in cracks and splits developing. During their formation they were constantly infilled with wind blown debris and their own collapsed sides. Aerial photos of the Sibson site show these periglacial features in the area of the Cornbrash, as a system of linear rectilinear and even polygonal

ated with plutonic activity. Sibson lies in a trough between two such 'highs', each about 4 miles distant.

The detailed aeromagnetic map of the area (East Midlands, sheet 52° N-02° W) shows a falling series of anomaly values in Nanotesla (BHG 47.033nT) running from south-east to north-west, almost at right angles to the aquifer flow.

When the Sibson events are plotted in relation to the solid and drift geology of the Nene valley, they are found to be concentrated on an outcrop of the *Blisworth Clay*. This Great Oolite Clay is part of the Midlands Jurassic sequence. Structurally it is uniformly argillaceous with an exceptionally plastic consistency making it effectively impermeable.

crop marks. No doubt they originally covered the entire area, but fluvial action when the Nene Valley was formed in the Flandrian (Post Glacial) phase c.12,000B.C. washed out of the lower levels of this activity. In geohydraulic terms such buried channels would have the same effect as field drains draining off the subsoil water. It is noticeable that the crop formations are generally careful to avoid such areas, which would disrupt an even aquifer flow.

The function of the *subsoil strata* is an important agent of the crop circle formative processes at Sibson. Using the Kubi-ena classification, the Sibson soil type can be categorised as a class C1 Pseudogley with a distinctive soil profile. Below the mull humus horizon (A), is a silty, pervious subsoil (B),

which at its lower level is iron and humus enriched, overlying the impervious gley bedrock (C). It is at this B horizon where the pattern matrix is probably formed in water, with the resultant 'electromagnetic' fields inducing the air currents which produce the formation above ground level. It is this formative B horizon which is the median plane of the formations, which, as shown by Jim Lyons' models, extend both above and below ground level. (Lyons J., Bubbles and Knots; *The Circular* No. 31; May 1998; p 4. Lyons J., Silbury Torus formation *The Circular* No. 37; Sept. 1998; p 17)

GEOHYDRAULIC (Fig. 4)

As the contours indicate, the ground gently falls away from south-west to north-east about 10m. over a distance of about 800m, producing an interesting aquifer effect. Rainwater falling on the Cornbrash at the top of the slope would percolate through these levels to the Blisworth Clay, which would function as an aquiclude. The resulting spring line along the interface of the Cornbrash and the Blisworth Clay is marked by a series of wells. In wet weather the subsoil water can be heard running downhill in field 18. The subsoil water passes through the ferruginous loam overlying the Blisworth clay. On reaching the Blisworth Limestone boundary, the water is absorbed within the deeper sequences and forms the ground water of the Nene Valley.

GEODETTIC (Fig. 5)

This is the key process by which the diffuse energy fields from the plutonic basal levels are directed, concentrated and manipulated to make the crop formations. Unfortunately the study of geodetics as a rational discipline is not generally accepted by the scientific community, largely be-

cause the process operates at subtle energy levels, and is thus believed to be instrumentally unquantifiable. Although the concept that the planet is surrounded by a structured electromagnetic field is one that has been known for a long time, there is not an agreed terminology or indeed understanding of how exactly the process works. In postulating an operational scheme at Sibson, therefore, I have drawn on my own practical experience in this field and have provided anodyne terms largely agreed in discussion between Jim Lyons and myself. The geodetic plan (Fig. 5) has been drawn up on the basis of map dowsing corroborated by field work. Although the general picture is, I believe, accurate the details are only approximaee, since in some cases the precise location of the crop formations (and thus their exact rela-

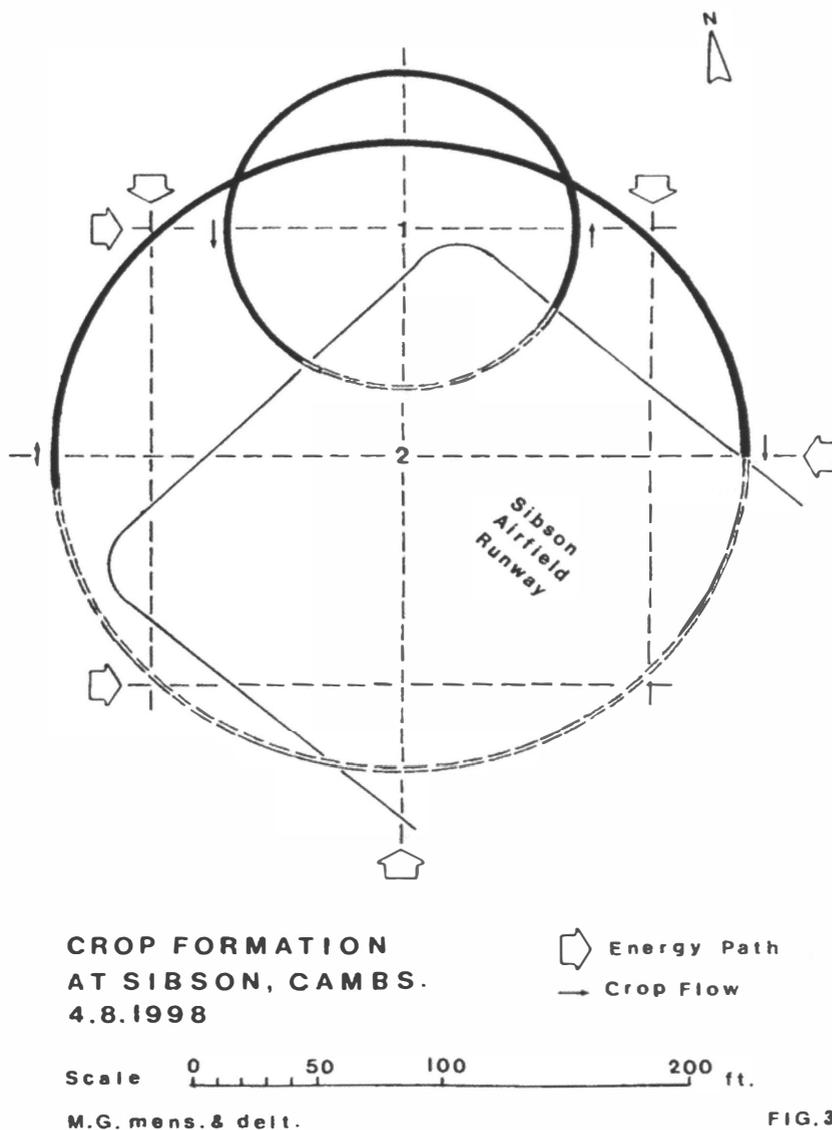
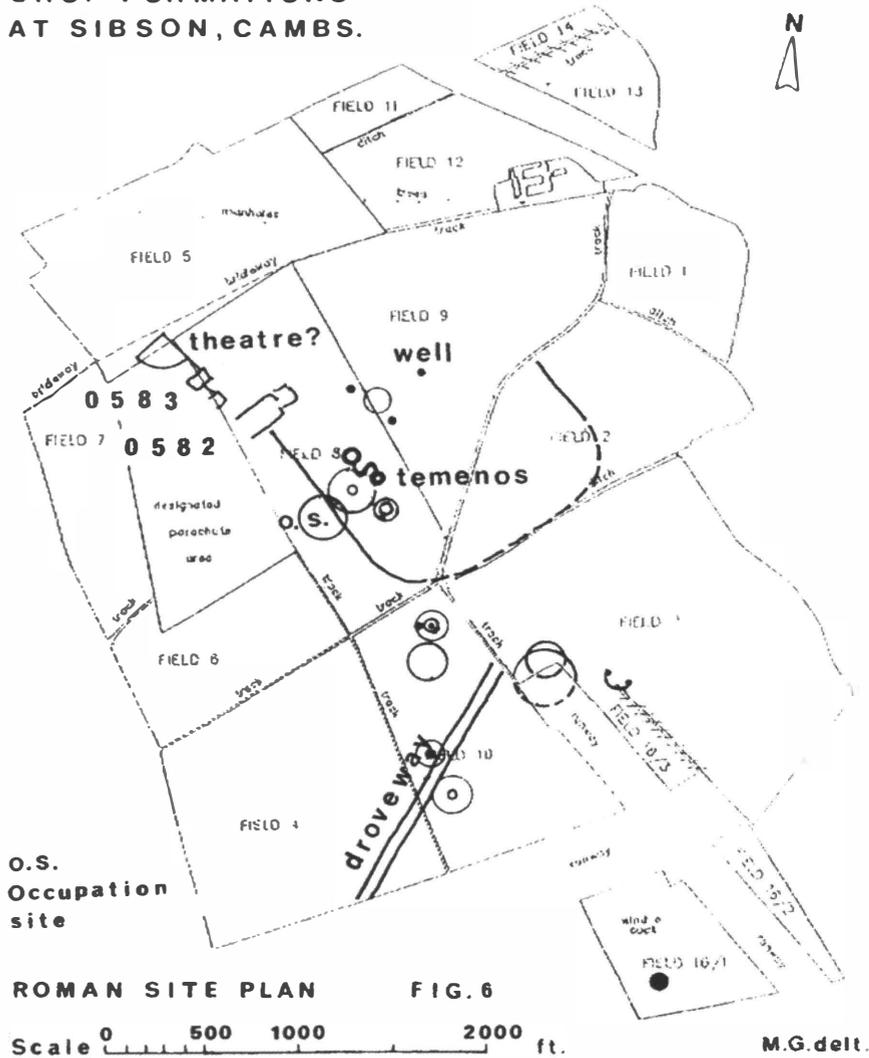


FIG.3b

**CROP FORMATIONS
AT SIBSON, CAMBS.**



ROMAN SITE PLAN FIG. 6

Scale 0 500 1000 2000 ft.

The energy centre is operating as a cross-over point for two major energy lines. These are, by analogy, the arteries for an associated grid of smaller energy lines, or capillaries, which convey subtle energy currents to any designated part of the site. The analogy is with the meridian system of acupuncture. These energy lines are effectively the Telluric network identified by Hartmann and Curry, and on this site the operational grid is between 150 ft. and 200 ft square or oblong. No attempt has been made to identify the directional flow of the telluric energy or the precise width of the lines since these vary according to seasonal and other factors.

It will be observed that most of the crop formations are formed in direct association with the centres or lines of the energy grid. When a crop circle is created, a strong magneto-gravity field floods through the telluric grid from the centre infusing the space between and around the site of the formation.

**GEOMORPHIC LIGHTS
(Fig. 4)**

Balls of light and light plumes have been observed both on and off the site, in the latter case they appear to be sometimes related to the onset of the phenomenon.

15/16 July 92 Plume A.
8.00 AM. 'Smoky misty' cloud spiralling in area of field 8. Shaped like a bullet head about 20 ft. high. Disappeared in seconds. Observed by farmer, D Hope. Appearance of formation 6, 18.7.92 Ball of light photographed by Beth Davis in central area of formation 6, late July 1992. (M Green archive).

26 July 93 Plume B.
Crop watch by Christine Saltmarshe in car at track junction

tion to the energy grid) is uncertain.

The focal point of the process at Sibson is an energy centre lying slightly to the north of the formation (TL091109738). It is locatable from the air as a crop mark in the centre of the possible Roman temple temenos (see ARCHAEOLOGY) which probably functioned as a sacred well for the nymphaeum. The energy centre is one of the innumerable global 'acupuncture points', many of them associated with prehistoric and later sacred sites. They operate as 'connectors' between various subtle energy levels and also as 'attractors' for the electromagnetic fields and currents. It is my perception that the energy centre is presided over by an intelligence which is controlling the crop formation process.

(TL09150700)

03.00 am: Flash in sky over top of site lasting about 30 seconds.

03.01 am: Narrow column of misty light, 10 ft. wide spiralling anticlockwise with several subsidiary centres forming high plume positioned itself by side of car for 3 or 4 minutes, then moved in front of the car and disappeared.

04.00 am: Saltmarshe leaves car and walks down track about 70 yards to TL090559698. Light plume reappears, about 6 ft. high and stands beside Saltmarshe for several minutes: reportedly feminine energy, beneficent, but purposeful.. Had inner radiance, not exactly a mist but more like a heat haze with a crystal sheen.

Saltmarshe's presence on site seemed to interrupt the formation creation. No formation appeared in 1993 nor 1994, nor again in 1997 when there was another crop watch.

26/27 July 95

At home of Saltmarshe at Alconbury Weston, Cambs. about 13 - 14 miles from Sibson. "Looked out of daughter's bedroom window in early hours and was aware of swirling golden light in garden". Formation appeared 25/26 July 95.

14 November 97

After the abortive crop watch, Saltmarshe reported another event at Alconbury Weston, four months after the usual crop formation date. "Went into my daughter's bedroom at about 6.30 AM. I could see light flickering on the other side of the curtain and pulled the curtains back. There was the same swirling mist as previously". No formation appeared in 1997.

4 August 98

Saltmarshe reports that the same light phenomenon appeared in the early hours in the garden of her home in Alconbury Weston, 'towards the sky'.

The second crop formation (no.10) appeared on about this date at Sibson.

16 November 98

The swirling mist appeared again in the garden of the Saltmarshe home at about 6.45 am, low on the ground. It dissipated after a few minutes.

These parapsychological experiences in connection with the phenomenon are extraordinarily interesting. The plumes of light may, or may not be, a natural geomorphic occurrence, but their regular appearance at Saltmarshe's home some miles away is something else. I have an overwhelming impression that an entity (nature and function to be discussed in part 2 of this report) has appropriated a natural light phenomenon and is using it to communicate with us. The

THE FORMULAIC PROCESS

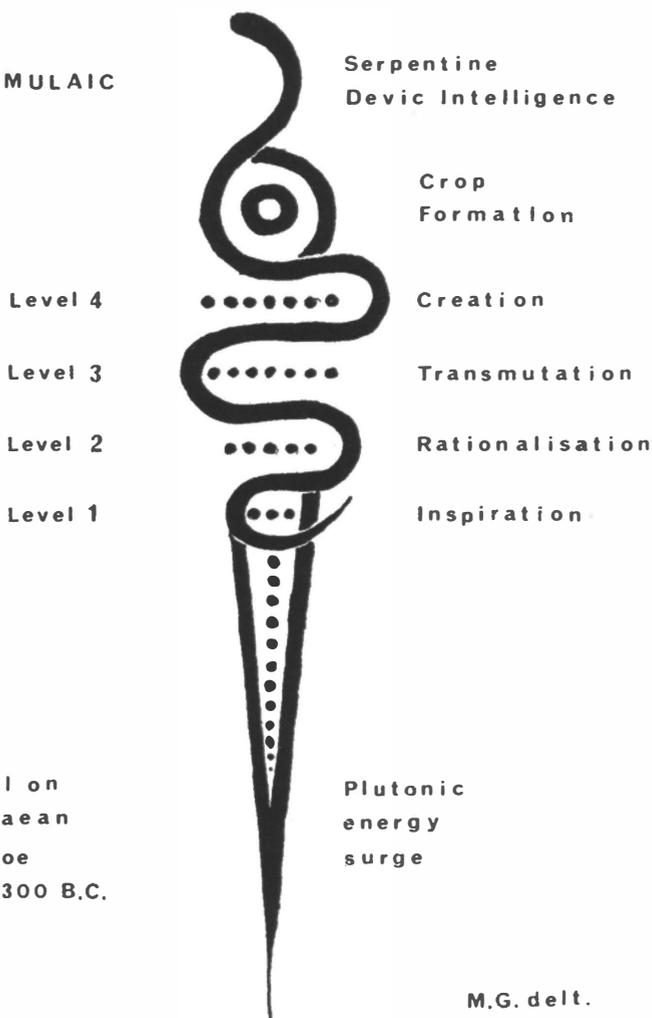
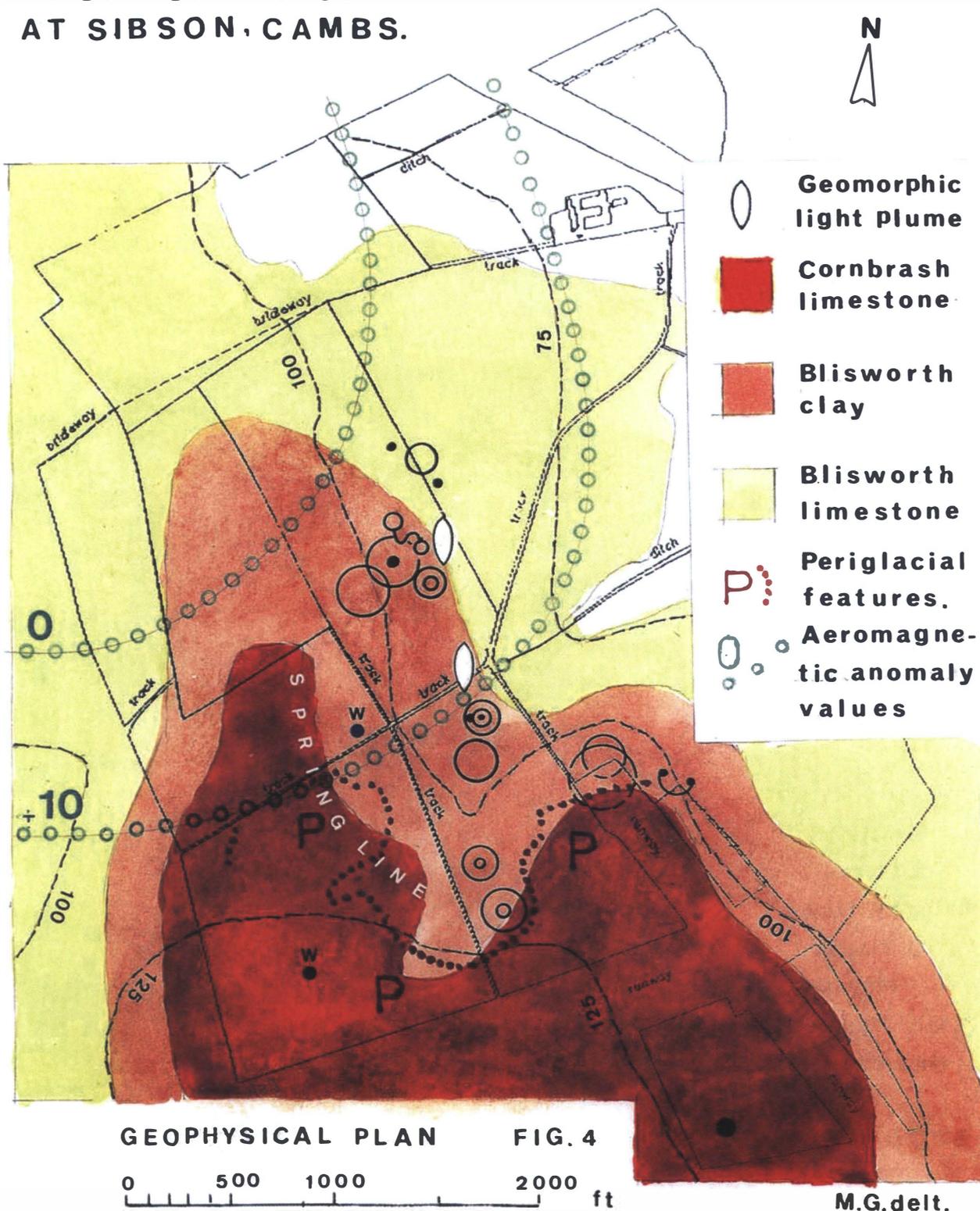


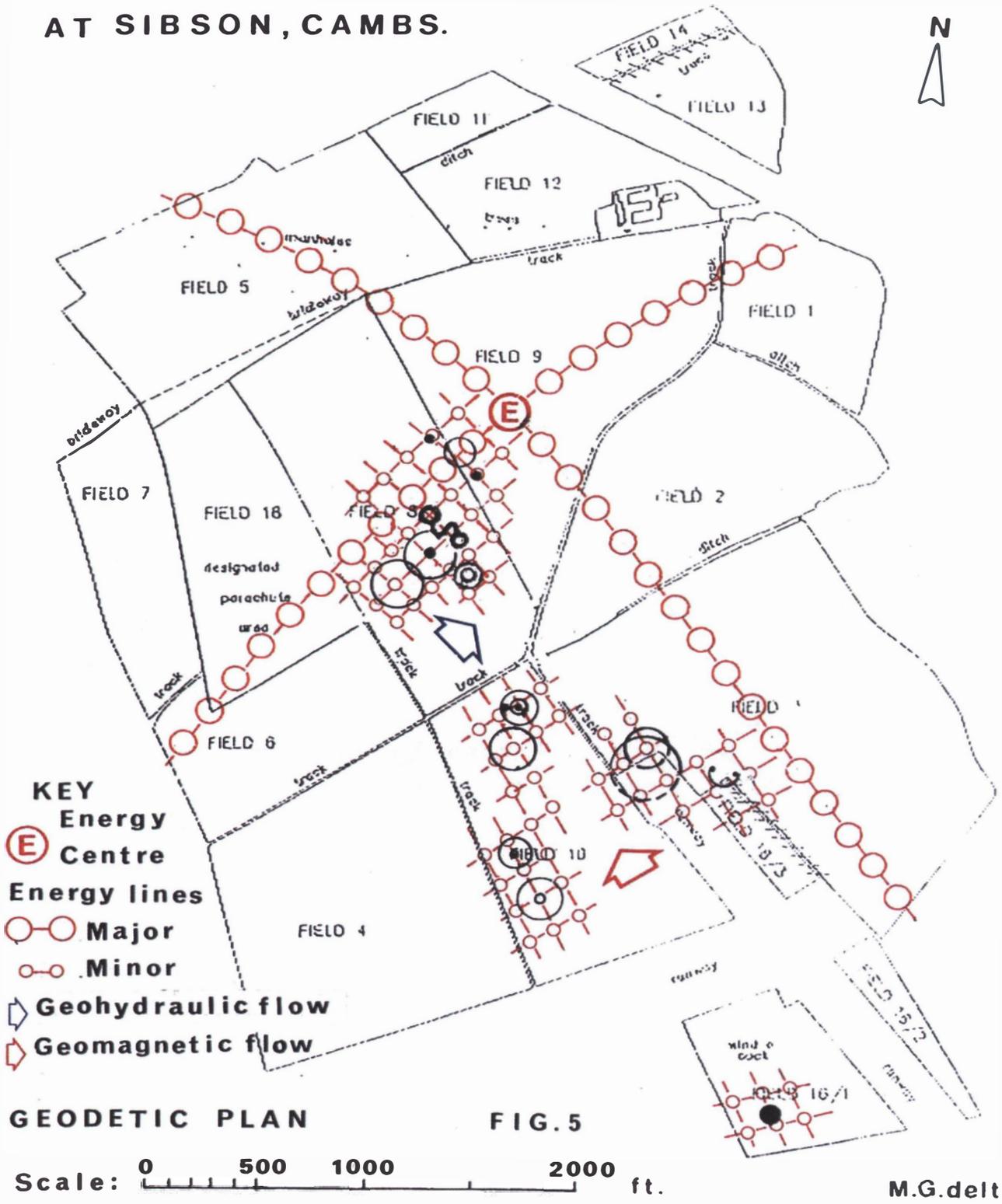
Fig. 8

M.G. del.

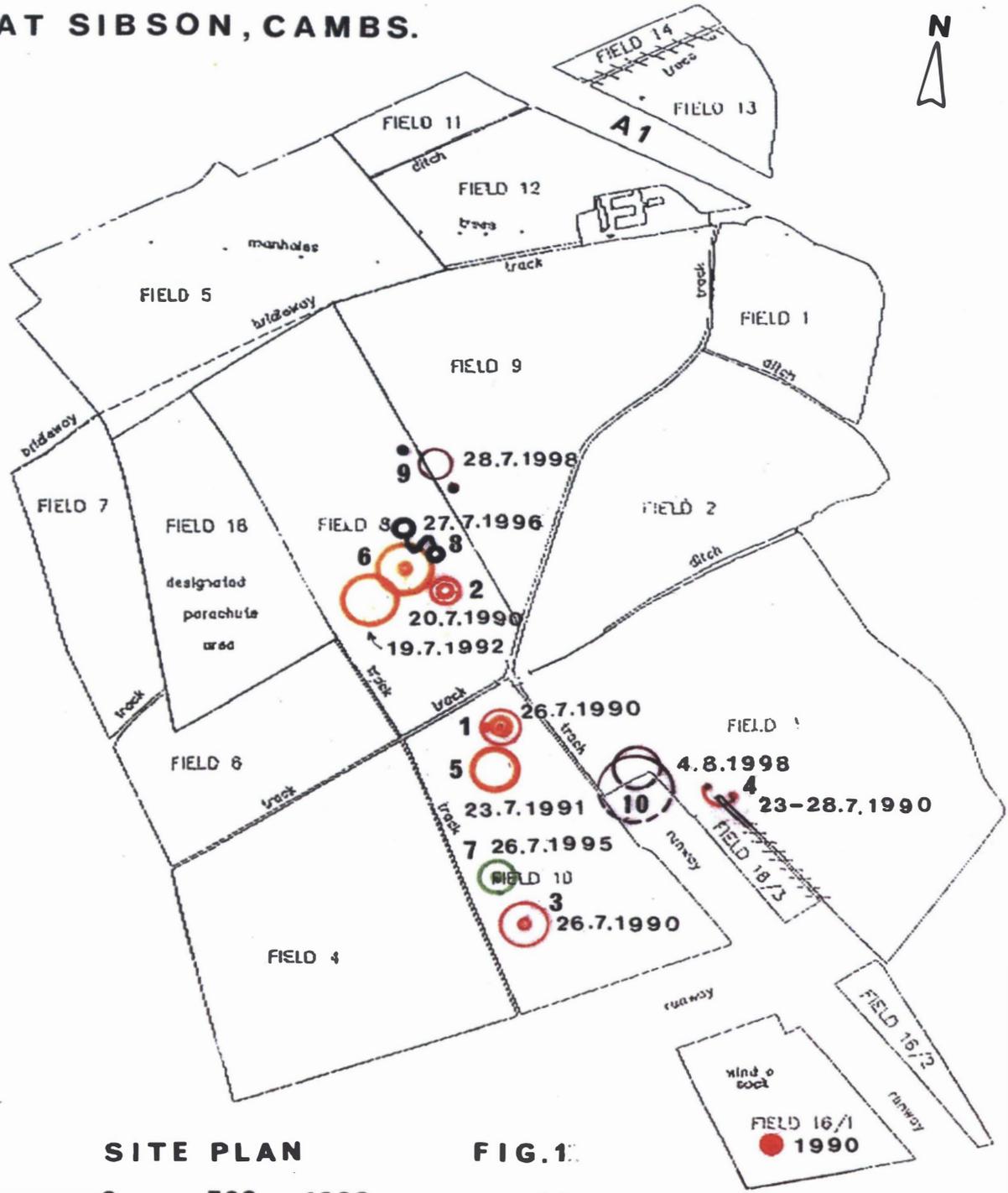
CROP FORMATIONS AT SIBSON, CAMBS.



CROP FORMATIONS AT SIBSON, CAMBS.



CROP FORMATIONS AT SIBSON, CAMBS.



SITE PLAN

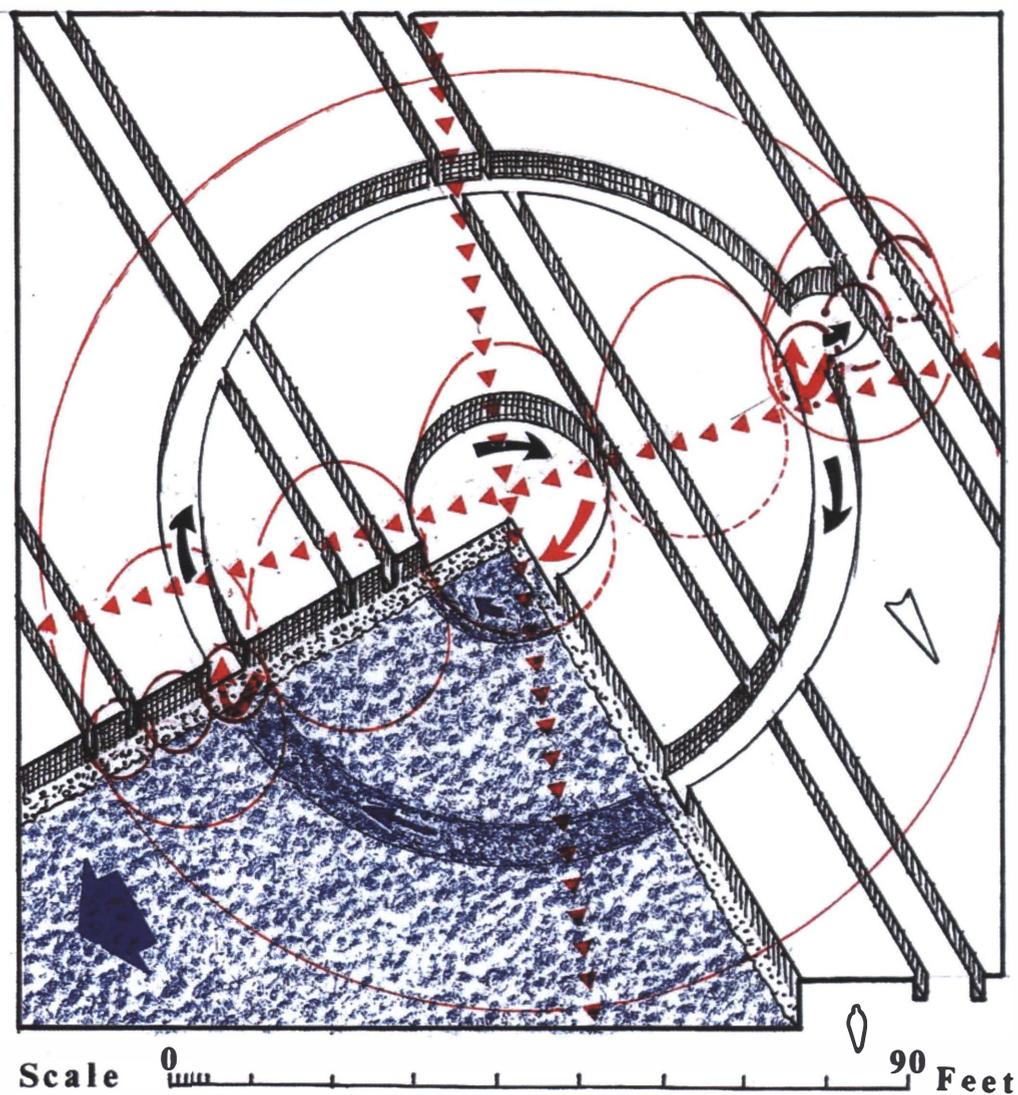
FIG. 1

0 500 1000 2000 ft.

M.G.delt.

SOME GEOPHYSICAL EFFECTS IN CROP FORMATION CONSTRUCTION

Axonometric Projection of Formation 5a, Sibson, Cambs.



- | | | |
|---|---|---|
|  Corn |  Energy line |  Subsoil water |
|  Subsoil |  Energy flow |  Water flow |
|  Crop flow |  Energy flow |  Water flow |

FIG.9

M.G.1998

November appearance of the light phenomenon in 1997 and 1998 should be noted.

ARCHAEOLOGY (Figs. 6 & 7)

In 1844, when the Nene Valley railway line was built, three mutilated statues of Barnack stone, were uncovered. The statues represented Hercules, the torso of Apollo and a life-size figure of Minerva. The exact location of these finds is uncertain, but is said to have been in the area of Wansford station (TL90978). This material had clearly been re-deposited from a temple or shrine, possibly with the intention of reusing it for pottery kiln or building construction. The find site is about ¼ mile from the nearest crop formation, and although identifying the site of the original shrine must necessarily be a speculative matter, there are archaeological indications that it may have been further south in the centre of the crop formation area.

Aerial photos appear to indicate a large stone-walled enclosure (*temenos*) in the area of fields 8 & 9 of which the west wall and south west corner are visible, together with part of the east wall. Outside the enclosure to the west there is a small kite shaped enclosure reminiscent of the simpler forms of Gallo-Roman, Celtic theatre types associated with shrines. There are no visible features within the *temenos*, except that of a large pit or well (TL092975). If there was a shrine here it is likely to have been built round some such focal point.

The late Jocelyn Toynbee described the second century Minerva from Sibson as the most remarkable from Britain, even though missing her helmeted head. 'In her vanished right hand she appears to have held a spear reversed with the knobbed butt-end uppermost. This feature with a small portion of the shaft is visible against the right shoulder. The right hand (now missing) when found held an owl and the spear shaft. The left hand rests on the rim of circular shield with a round external boss; and the shield in its turn rested on the mouth of a long-necked vase, of which only the pear-shaped body, standing on a small pedestal beside Minerva's left foot, now survives. Up the body of this vessel (and once, presumably round the neck) writhes a snake, the head and neck of which appear in low relief on the lower part of the outside of the shield.' (Toynbee J M C, *Art in Britain under the Romans* 1964.78).

This slightly unusual deity in a Romano-British context is provided with certain attributes which are highly revealing in terms of her role and function. The reversed spear indicates that she is not a tutelary war goddess, like for instance the tribal deity Brigantia, who is also represented as Minerva. Rather it emphasises her beneficent role as Goddess of Wisdom. The water pot indicates a deity presiding over a *nymphaeum*. In this case, the upright pot with the long neck indicates that the *nymphaeum* is centred round a sacred well. The snake imagery is also highly significant. In general

terms, the snake is the symbol of something sacred. It stands for the *Genius Loci*, the guardian spirit of a place.

The deity worshipped here, therefore, is not the Olympian Athene / Minerva, but a tutelary nymph (*genius* or *daimon*) who has the attributes of the wisdom of Minerva, but is immediately responsible for this sacred area, with a holy well as its focal centre.

THE INTELLIGENCE FACTOR (Fig 8)

There is a tacit agreement amongst most students of the geophysical phenomenon that, whatever the geodetic & geophysical factors at work, an 'intelligence' must be involved in the design of the crop formations. There is absolutely no agreement on what or whom this intelligence might be. It is my perception that in this case we are dealing with, in the broadest sense, 'an Intelligence of the natural world of this planet'. I am not concerned here with its precise identity, although there are plenty of clues from both the archaeological and metaphysical areas (see ARCHAEOLOGY & Part 2). The important aspect which I wish to emphasise is that the 'Intelligence' not only has the responsibility for organising the design, but also of transforming a diffuse plutonic surge operating at subtle energy levels into a concentrated physical electromagnetic field capable of flattening the crop.

It has been recognised for thousands of years that this creative process has a fourfold structure known as *The Formulas*. The scheme encompasses not only making crop formations but is indeed the structure of the creative process throughout the cosmos. To illustrate this development I have reproduced a symbol or diagram taken from a Cypriot *Oinochoe* of Mycenaean date (1350 - 1300 BC), which admirably brings out all the salient features of this process.

The central figure of this paradigm is a writhing serpent, the Devis Intelligence, which encompasses the four levels of the formulaic process from the plutonic energy surge to the creation of the crop formation (the *Oinochoe* vessel was also covered with what appears to be representations of crop circles). This serpent, which is both an Intelligence and the Subtle Energy itself, is precisely the same serpent which writhes up the water pot of the Sibson Minerva statue. This vessel symbolising, the sacred well of the *nymphaeum*, is the Energy Centre of the phenomenon at Sibson. The serpent is also represented in formation 8 at Sibson.

Level I Inspiration. This carries the concept of the visualised ideas, the dynamic purpose of the Divine Thinker. The Thinker in this context is the Presiding Intelligence of this planet. In Kabalistic terms this sphere is termed Atziluth, the World of Emanations directly in contact with the Divine. It is highly significant that this level on the *Oinochoe* is represented by three dots, symbolising the Trinity, or threefold energy pattern of manifested deity.

Level 2 Rationalisation. A primal desire is transformed into an intellectualised concept or design. This is the operation of the esoteric concept of Manas (Mind-matter) as part of the creative process. In Kabbalism this is the sphere of Briah, the World of Creation. It is symbolised by five dots, the sacred numeral for Intelligence.

Level 3 Transmutation. The idea is now conceived as a structured intelligent concept but remains to be realised in physical form. Level 3 is concerned with establishing at subtle energy level the design matrix of the crop formations, which is carried out by vitalising the geohydraulic constituents at subsoil level. The Kabbalistic term for this process is Yetzirah. The World of Formations, the design level of the creative process. The seven dots of this level represent the sevenfold nature of deity in manifestation, both latent and concrete.

Level 4 Creation. This is the sphere of the implementation of the design. In Kabbalism this is termed Assiah, the World of Substance and Action. The formative process in crop circles is achieved through subtle energy fields operating through the Vortex Bifurcations, the magnetic shell structures of counter-flowing magnetic field lines and the winding energy fields of the Torus Knot.

SUMMARY: A GEOPHYSICAL MODEL (Fig. 9)

I have felt it necessary to review a number of disparate matters in connection with the Sibson phenomenon since they all appear to be closely interrelated. The model that I am tentatively suggesting is a sequential process under the control of a local non-human Intelligence operating at subtle-energy levels, but capable of physical expression.

The process starts as an energy surge at deep geological basal levels, possibly sparked by some such cyclic cosmic activity as solar flares. The electromagnetic energy fields are directed up through an energy centre (position marked by a well on a Roman sacred site at Sibson) to the telluric energy network on the surface. It is possible, as in Wessex, that the process is assisted by a deep geological fault system.

At surface level the E/M energy field is spread through the telluric system to a suitable aquifer locality, namely the Blisworth Clay aquiclude, where the magnetic field is coupled with the gravitational field.

Here there is an interaction with a chemically charged ionised sheet of water gently flowing through the subsoil B horizon over the impermeable clay. The water provides the medium for the design matrix of the formation, operating at the median level of the resultant 'energy bubble'.

The projected energy field is then constructed in accordance with the principles of vortex bifurcation and the winding energy of torus knots, as postulated by Jim Lyons.

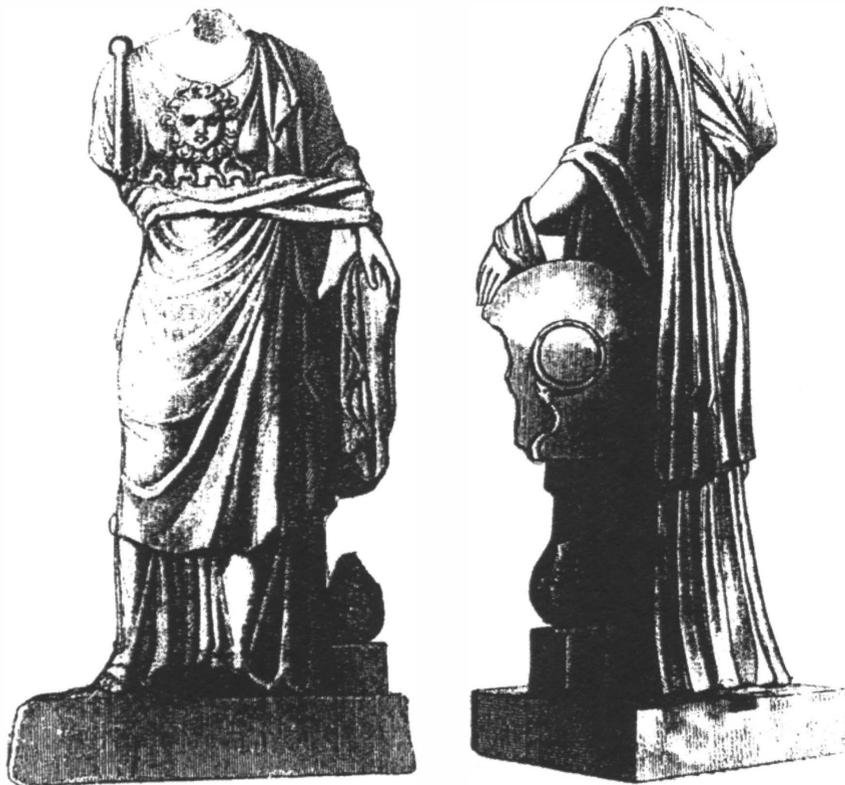
A key factor is the necessary recognition that we are dealing with a local, non-human Intelligence, which has the responsibility for designing and constructing the formation. In this process the contribution of water as a conscious design element is paramount

ANNEXE I

THE GEOPHYSICAL EFFECTS OF EARTH ENERGIES, By Jim Lyons

The key to the origin and formation of Crop Circles is so called Earth Energies. That the energies of place affect humans and other living matter has been known for millennia. The problem is knowing exactly how these energies, which display remarkably subtle effects at times, are related to existing accepted scientific understanding. From studies now being carried out by the British Society of Dowzers, it is being realised that the energy is at least a combined effect of nature's two long range forces, the earth's magnetic and gravitational field. Despite centuries of study the formal link between these two forces is not yet understood. However, there are circumstances where the two become inextricably bound and this is in the presence of an environment where free electrons exist. These electrons gyrate around the earth's magnetic field lines because of the Lorentz force, and at the same time because of their mass, are affected by anisotropies in both the gravitational and magnetic fields. The result is essentially gravity or internal waves which are widespread in meteorology with the magnetic field pressure acting as the restoring force on any displacement. An analysis of this situation shows that the energy density balance between the two forces gives rise to a characteristic length which turns out to be a well known measurement in earth mysteries, namely the megalithic yard - 2.72 ft.

Coupled gravity and magnetic waves have been well studied on oceanic environments where they affect large scale weather patterns. The coupling between the forces is by means of the conducting ocean currents. The resulting waves propagate vertically and generally form cones of energy rising over the sea surface. It is believed that this effect gives rise to the well known patterns seen on calm seas by mariners over the centuries. They are circular in form with radii of often several hundred metres. The wave pattern structure, as best can be assessed from descriptions, are not unlike crop circle patterns. Coupled magneto-gravity waves over land are virtually unstudied by the main scientific community, not being recognised as having any significant properties. The reason is that the coupling between the forces is not so obvious. However work in the BSD has shown the importance of underground streams which generate free electrons at all times. These streams are now known to be a vital factor in the shae of Crop Circles and generally bound the outer edges of the patterns. Work to



**FIG. 7 STATUE OF MINERVA
SIBSON, CAMBRIDGESHIRE**

date has shown that there is usually one blind spring associated with a formation, being located at the centre of one circular source in the pattern. Blind springs are vertical movements of water and it is these that give rise to the vertical magneto-gravity waves with their anisotropic conical vertically oriented motion. It turns out that the particle motion within the conical wave fronts is predominantly circular in the vertical plane which when viewed around the cone manifests itself as a toroid.

It is now known that these waves interact with living matter in very particular ways. The process is one of electrochemistry. It appears that the main detection mechanism for subtle energies in humans is the glands, in particular the pineal gland. Although the wavelength of the magneto-gravity waves is generally at least metres, because the motion interaction of the waves is vorticular, it turns out that the shape of the gland is important for their detection. In

the pineal gland, as its name implies, it is pine or egg shaped. Nature uses this technique widely to 'capture' the cosmic energies to evolve life. All birds and many mammals rely on the laying of eggs. The resonant nature of the shape means that the egg's contents respond to the ambient fields. In the pineal gland, it is to be expected that there will be release of hormones when in sufficiently strong fields. This year, we have undertaken hormone testing which showed the release of oestrogen, progesterone and other relevant hormones. Because objects such as batteries have free electrons in their electrolyte, they are very susceptible to ambient fields. In essence, they cannot function as batteries in the presence of these fields because their basic current flow mechanism (from linear to gyratory flow) is disrupted. Once outside the fields, they revert to their standard functioning. The same basic argument goes for the effects of energies on soil and crops, though here the short lived ambient microwave field is the cause of more permanent disruption the basic nitrate balance in the cell structure. More detailed biological study is needed here to establish the exact process..

Thus the general geophysical forces due to magnetic and gravitational effects, when related to specific earth points involving energy line intersection, are now known to influence energy flow in well defined ways. They cause significant effects on all living matter because of their disruption of the normal cell processes and the overall result is the creation of crop patterns which are strongly correlated with the basic molecular structure of the substance which offers the linking mechanism, namely water.

ANNEXE 2

NOTES ON THE 1998 SIBSON FORMATIONS, by Jim Lyons

- The alignment of formations over the years at around 10 degrees West of North is indicative of a set of consistent pattern-forming conditions.
- The (relative) simplicity of the formations is indicative of a limited set of criteria used in their creation.
- The asymmetric nature of the 1998 Sibson 1 formation with its side circles correlated with the underlying energy line positioning which was also offset.

- The dowsable spiders web patterns within the side circles followed a slightly unusual pattern in that there were just two radial lines per circle, diametrically opposed to form a circle diameter. These aligned with the main energy lines outside the formation.
- The distribution of energy within each of the side circles followed the now classic marquee roof-shape.
- The retained energy in the seed heads gave rise to an aura measurement which, relative to that from seeds measured at the centre of the circle, fell to one half its value at exactly half the radius of the circle.
- Tests on crop samples from the centre annulus and side circles showed significant variations in nitrogen/nitrate levels (in parts per million) compared with control samples.
- An analysis of the geometry of the formation clearly indicated the tell-tale 19.5 degree angle which reveals the underlying tetrahedral geometry involved in the process of pattern creation.
- A study of the formation's underground water flows revealed by dowsing shows how the streams 'frame' the pattern. Of particular significance, however, was the fact that only one blind spring was associated with the pattern. Often 4 or 5 can be involved in very complex shapes. This solitary spring was located right at the centre of a side circle.
- A study of the local geological features of the area revealed no chalk bed, which usually retains many vertical flowing springs. This phenomenon is believed to be responsible for the simple features of the formation.
- The Sibson 2 formation occurring several days after the first still retained the basic lineage in terms of its location along a north/south oriented line. It too demonstrated its tetrahedral geometry origins having again a 19.5° angle associated with the linking of the two circles.
- Although the seed heads were not tested in the laboratory for nitrogen/nitrate changes, dowsing the aura of the samples indicated levels of density of retained subtle energy comparable with Sibson 1.

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End Piece

Ray Cox

I suppose that my first real involvement in the subject was in looking down at that huge double pictogram at Alton Barnes in July 1990. Intuitively I knew that the future meant a connection here somehow. It wasn't that the great formation was all that beautiful, not just yet in those days, but to one's consciousness it was something new in the landscape which added to the mystery which was already there of course - and certainly powerful. A few days later I joined CCCS.

Although this time could be seen as a sad one with the closure of CCCS there are, after these fifteen years have passed, some aspects which need comment.

First the positive side. The CCCS and the phenomenon itself has of a natural course brought individuals together in what might loosely be termed a 'community', something I have often written about. Friends and acquaintances have been made and this has naturally extended to other groups and individuals within the subject. This is a good thing. It has been a great joy to have been involved with the members of the CCCS and its council over the years as well as those members in my own local group and others who are not members, all like-minded, or we may say, like-spirited individuals. It has enabled debate into other subjects as well, associated or not.

Another side needs more evaluation and I have to concur with Michael Green's analysis elsewhere and add why I believe it is a realistic view. The CCCS was set up in 1990 by a number of individuals of scientific discipline, and some were members of the Society for Psychical Research. In the middle years one of these members - I forget who it was - suggested that CCCS should never have gathered about itself the necessary constraints of a constitution and a society with a corresponding service to a growing number of members, mostly not scientists themselves and often with leanings towards the growing New Age/mystical axis. Instead, a few scientists would have quietly studied the phenomenon, whilst attempting to gain support and finance from academic bodies. They would have submitted reports and papers and sought peer review status in the world of academy and its journals. To be sure, a reason for the CCCS being the only constituted body studying the subject was the thinking towards this end and so the prestigious aspect was in the foreground. Whilst CCCS did do some valuable scientific work in the early days, upon reflection we now see that the person was probably correct in his evaluation. In recent years most of the time and energy has been given over to the restrictions of meetings and the constitution and the sole provision of providing a regular

journal to members who wish to read information. Of course, members would otherwise have been the losers. The increase of easy material on the internet has been another factor against membership in recent years. Also, alas, the esoteric nature of the phenomenon itself has been against us, in favour of the more successful involvement taken by others.

However, other matters quickly entered the scene as the phenomenon evolved. These included the proliferation of hoaxing with its own restrictions upon the scientific work, regardless as to whether or not this was intentional or even conspiratorial; the eventual realisation that many circles were of human origin; the increasing awareness that the human mind somehow is involved and interacts with the phenomenon, perhaps on a greater scale than was thought, and that both perhaps feed upon each other. Also, a number of valuable active members left CCCS to set up their own, often unscientific groupings or to become individual researchers, albeit one or two with a scientific orientation. So today, and for some time, there is a loose group of people outside of CCCS with no co-ordinating structure (CCCS perhaps could have become an umbrella group in an ideal world), there are the New Age or more mystical groups who relish the ongoing mystery, as they may see it as mediating between human and spiritual realms - no bad thing in itself, and perhaps it does! Added to this, however, is the commercial, or money making aspects of the subject. All of this has been engendered by the beauty of the phenomenon.

In recent years also it has been difficult in any case to determine what further purely rational scientific work could have been done which has not already been done but the nature of the phenomenon and its events have been at odds with this and with academy in general. On the face of it, then, pure science by a few with no general membership would not have been successful in solving the mystery either, the increase of which engendered the proliferation of much pseudo-science. The CCCS has, however, in recent years made some small attempts to study a more metaphysical aspect. There have also been a number of valuable studies, such as those into subtle energies, by individuals within and outside the CCCS, one or two of whom have been members. I have elsewhere suggested also that with the hoaxing problems it might have been of value to inaugurate a study within the social sphere of the mental attributes of the hoaxers and the reasons why they maintain the phenomenon every year, as they have failed to end their activities. They have, I would also suggest, been unable to extricate themselves from these activities, being as it were in the phenomenon's grip. This study would have been in line with

the evolving circles scene over the years, a psycho-social study which would have required some association with these groups. Perhaps, with CCCS archival material going into store for posterity with the SPR and elsewhere it would have been and might still be a motivation for the SPRs own research into the more psychic aspects of the subject and those on all sides involved within it. Upon reflection then a certain irony may be seen when we remember that it was an impulse to a great degree by members of SPR in the first place to be founder members of the CCCS. The CCCS, though, especially in its earlier and enthusiastic years was a useful project with the appearance of a new modern phenomenon evolving in the countryside, and I am glad for its inception. As the years have

passed I think that there is a growing realisation that the objective truth of such a phenomenon as ours probably remains permanently beyond the grasp of the subjective meanings and values imposed upon it, both from the rational scientific and more metaphysical viewpoints. This is perhaps the inner reason why a body like CCCS could not attain the end it set itself as its *raison d'être*. I still think there is a genuine enigma and - not least - that CCCS has been worthwhile.

With very best wishes to you all.

+++++
Book reviews:

Crop Circles - Evidence of a Cover-up by Nicolas Montigiani

Written by Frenchman Nicolas Montigiani this book was recently translated into English. It is published by Carnot and is one of the Orbis Enigma Series. Originally published in France under the title; Crop Circles, Manoeuvres dans le ciel, this edition 2003 ISBN 1-59209-037-0 I was fortunate enough to be able to acquire a copy for review. The English version is published in America but available to order at most good bookshops if you quote the ISBN.

I personally thought it poorly researched; Nicolas has based his book upon his own very limited research and upon evidence from very few experts in the field. The central core of his book depends upon the theories of a French scientist whom he cloaks with a false name, Jean-Paul Piton, to protect his identity.

The theory is that as the only Government not openly involved in research into Laser weapons, secret British research into these weapons, is the actual cause of the crop circles. Readers may remember a similar scenario a few years ago when an Italian researcher stated that because Britain had no overt space research ^ that we must be the organisation behind the UFOs that were being reported over Europe. The suggestion was that Britain, with its UFO fleet, had no need of rocket development, nor any need to be involved in the Space Race, that gripped almost every other developed nation.

All that aside, it is written in an easy style, very well translated, and without any of the usual stilted phrases one expects from translated material. It is concise in its exposition of the theories propounded, if somewhat hog-tied by the lack of in depth research. The viewpoint is

narrow, and as such carries a number of erroneous statements that most aficionados will cringe over.

I expect it will find a place on most cropies bookshelves despite its shortcomings. If the claims if the writer and his elusive scientist are correct, in the mechanism for the creation of the circles, rather than the government agency concerned, then many will find the theory satisfying. It has to be said that this theory of some kind of laser or microwave weapon testing has been mooted before, but not with so much style and panache. Mr Montigiani is to be congratulated on his writing style even if I quibble about his abbreviated research. There are the odd quirks such as referring to Vivienne Tomlinson as a man (!) on page 26. He seems to believe that crop circles only started in America in 1990. He appears never to have discovered Terry Wilson's book and believes that the British scientists involved would be too 'polite' to create circles in France! This is his reason to explain the lack of crop circles in France. Which is an odd statement since a fair number of crop circles have been reported there over a great number of centuries.

It is a quirky book, but if you have the \$15.95 to spare, then by all means buy a copy and enjoy a good read. The book is approximately A5, limp bound, 200pp and illustrated throughout; some colour photos too.

George Bishop

Crooked Soley: A Crop Circle Revelation by Allan Brown and John Michell

Crooked Soley: The Endless Lives of Pi

Just when we thought crop circles, the Great Goddess, and everything else was at least moribund, if not completely dead, along comes Crooked Soley. And what on earth is Crooked

Soley? It is, to begin with, a quaint and charming English placename in Berkshire. It is, next, the name of a little-known but superb crop circle that was the last of the season in 2002. And it is, finally, the title of a new book by Allan Brown and John Michell, who tell the story of the circle's discovery and analyse its numerical significance.

The Crooked Soley circle appeared during the night of 27 August 2002. Spotted by chance by a pilot, who alerted circles photographer Steve Alexander, it was harvested only hours later. Allan Brown saw the photo somewhere and noticed something important about it. It seemed to be an archetypical example of the relationship between the numbers 504 and 792. He waited for someone else to notice this, hardly believing he could be the only one to see it. But no one did, and he waited patiently for a whole year.

He then contacted John Michell, who of course was delighted. The numbers that the crop circle beautifully expresses are precisely those of the numerical canon and divine proportions that he has been studying and writing about for decades. The formation showcases numerical expressions of pi, the irrational number that marries the crooked and the straight. The whole place is riddled with dualistic placenames: Lady's Wood and Lord's Wood, Little Hidden Farm and Great Hidden Farm, Starve-all Farm and Prosperous Home Farm, and many more.

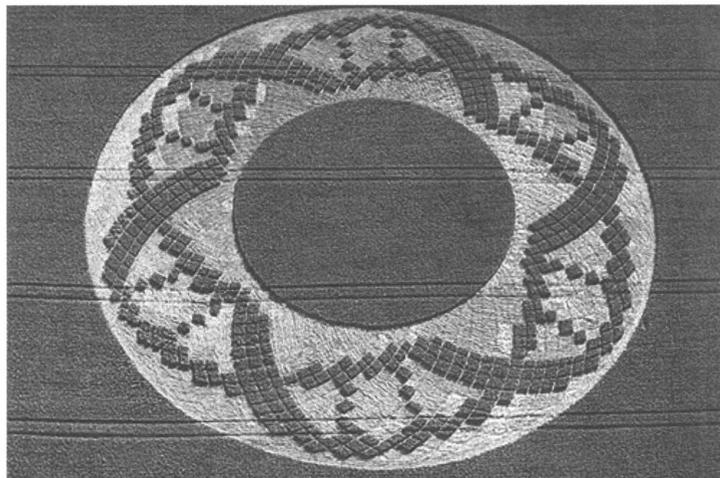
Wouldn't you know it? Crooked Soley is near Straight Soley, and the whole area is riddled with pairs of Farm and Prosperous Home Farm, and many more. One of these, for instance, is Daffy Copse, etymologically derived from the obsolete word 'daff' meaning 'to frolic' or 'to fool' and related to the modern word 'daft'.

Into this nest of weird and wonderful placenames was laid the circle, whose structure suggests a DNA strand of the human female. An interpretation of the circle's numbers through gematria gives a reading that raises this suggestion to a power of the Great Goddess. (To my way of seeing, the circle looks something like a basket, whose weavings around an island of fruitful crop are a quintessential expression of the endless lives of pi, or a kind of cornucopia).

The book includes the important essay by Patrick Harpur, 'Mercurius in the Cornfields', first published in *The Cereologist*, number 1, summer 1990. This essay has never been surpassed for its concise elegance and insight into the subject of the circles phenomenon, so it seems fitting to mention it here in the final issue of *The Circular*.

Crooked Soley: A Crop Circle Revelation by Allan Brown and John Michell, Roundhill Press, 2005, eighty pages, may be ordered at www.roundhillpress.com or Roundhill Press, 2a Crescent Road, Brighton, East Sussex BN2 3RP.

Christine Rhone
rhonechristine@hotmail.com



Crop formation at Crooked Soley, nr Hungerford, Wilts. 28 August 2002. (Photo: Steve Alexander)



It's NOT the end! It's Crooked Soley!

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CCCS CONTACTS

BEDFORDSHIRE: Kevin Constant, 10 Comland, Bedford MK41 8HZ (01234-314052)

DEVON: George Bishop, 12 Tintagel Close, Beacon Heath, Exeter EX4 9EH (01392-677462) su2261@eclipse.co.uk

DORSET: David Kingston, 26 Rex Lane, Chickerell, Dorset DT3 4AY (01305-889108)

HAMPSHIRE & WILTSHIRE: Busty Taylor, 52 Appletree Grove, Andover SP10 3RG (01264-324496)
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HEREFORD, SALOP & MID WALES: Andrew Waddington, Land End, Tarrington, Hereford (01432-890268)

HERTS, BUCKS & MIDDLESEX: Mike Rogers, Drumnessie, Ivy House Lane, Berkhamsted HP4 2PP (01442-864127)

KENT: Joyce Galley, Underhill Farm, Cudham TN14 7QH (01959-573433) jc@galley24.freemove.co.uk

LONDON: Sally Mudge, 20 Slaidburn Street, Chelsea, London SW10 0JP (0207-7352-4706)

NORFOLK: John Sayer, Cropcircle Cottage, 48 Woodland View, Stratton Strawless, Norwich NR10 5LT (01603-755331)
john23@sayer.abel.co.uk

OXFORDSHIRE: Jeremy Kay, 11 Gelt Burn, Didcot, Oxon OX11 7TZ (01235-511642)

SCOTLAND: John Plowman, 131 Stirling Drive, Bishopbriggs, Glasgow G64 3AX (0141-772-4588)

SUFFOLK: Christine Rudderham, Heath Barn Farmhouse, Risby, Bury St Edmunds IP28 6QP (01284-810519)

W. MIDLANDS: Ray Cox, 4 Lulworth Close, Halesowen B63 2UJ (01384-566383) raymond@cox269.freemove.co.uk

YORKSHIRE: Jim Lyons, 28 Newgate Street, Cottingham, E. Yorks. HU 16 4DT (01482-854123) jim.lyons@york.gov.uk

CANADA: Chad Deetken, 2743 W. 6th. Avenue, Vancouver, British Columbia V6K 1W9 (deetken@telus.net)

USA / COLORADO: Ron Russell, P.O. Box 460760, Aurora, CO 80046 USA (303-400-1322. (fax: 303-400-1341)
ron@cropcircles.org

USA / OREGON: Carol Pedersen, 20075 SW Imperial St, Aloha, OR 97006 USA (503-642-1203)
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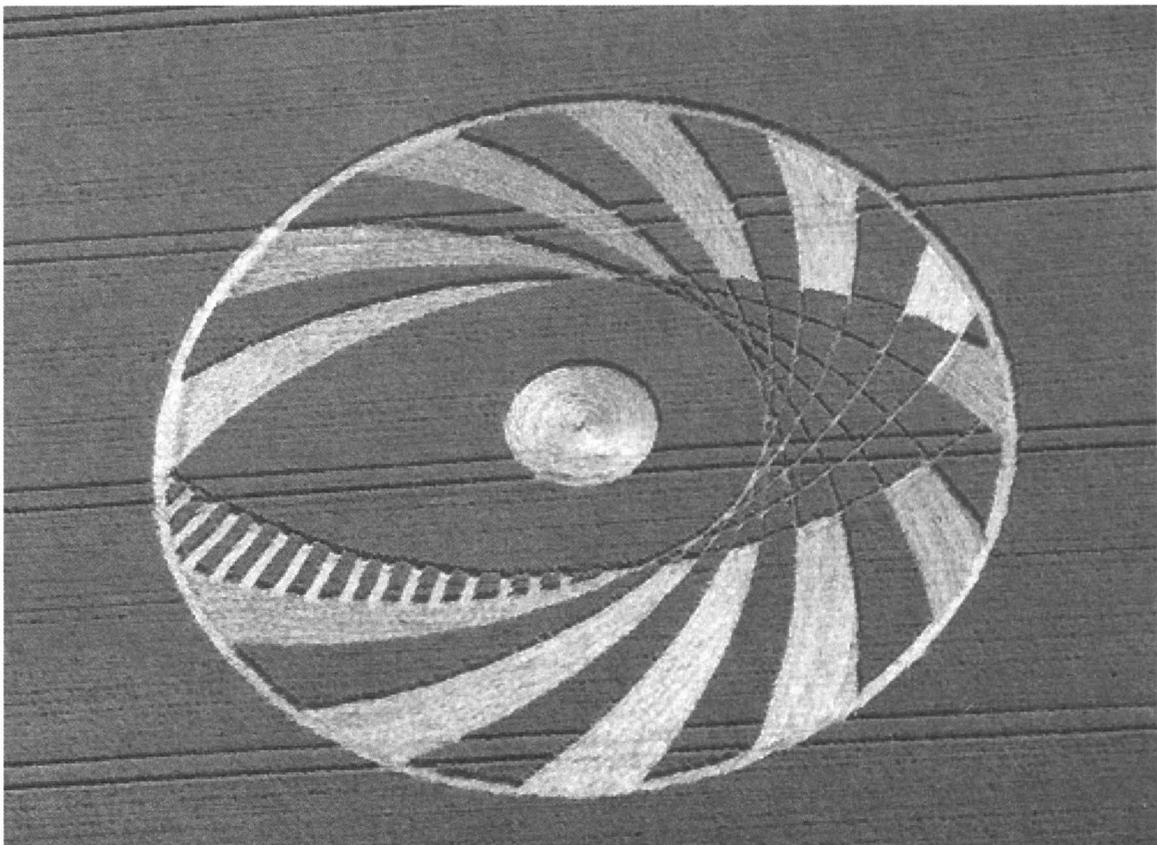
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Chalgrove, nr. Watlington, Oxfordshire, June 27 June 2005



Silbury Hill, 9 July 2005 (Photo: Crop Circle Connector)