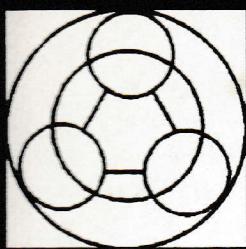


THE



CIRCULAR

VOLUME 4:4 Issue 16 March 1994 £2.50



1993 Oxfordshire circle in yellow - flowering rape

photo by Andrew King

IN THIS ISSUE

Stars in the fields - astronomical signals seen by Koch & Kyborg

Signs & Wonders greet overseas guests

Brainwaves! - Mind-Mirror tests reported by Lucy Pringle

Telepathons proposed by Sarah Bell

Predictions pondered by Midlands & Yorkshire

Questions and Yantras - The Bythorn Saga continues

Paul Hailey introduces a Robot to a Unicorn:

Symmetry Breakdown frees Subtle Energy for Jim Lyons

The Latest from Levengood & Orgone Update

The Journal of the Centre for Crop Circle Studies



Volume 4
Number 4

SPRING
1994

The Quarterly Magazine of The Centre for Crop Circle Studies

Editorial Team

Barbara Davies (overall) with
Nancy Hill (editorial assistant and layout)

THE CCCS HOTLINE NUMBER IS 0726 832367

CONTENTS

EDITORIAL and NOTICES: Barbara Davies	3
REVIEWS & EVENTS -'The Disinformer': Barbara Davies	4
- Derby Crop Circle Forum: Ray Cox	4
- 2nd CCCS International Conference: Marcus Allen & Andy Thomas	5
ORGONE PROJECT 1993: Andrew Collins' Feb. 1994 newsletter	6
DR. LEVENGOOD'S LAB. REPORT no.18: John A. Burke	6
BYTHORN - the Julian Interview: Barbara Davies, Sacred star-patterns from India and France	8
CROP CIRCLES and MAGNETISM: - Larry Grant	10
KIRLIAN PHOTOGRAPHY - an update: Lucy Pringle	11
THE UNICORN AND THE ROBOT: Paul Hailey	12
PSYCHO-PHYSICAL CHANGES IN A CROP CIRCLE - ESR and EEG tests: Lucy Pringle	13
PREDICTIONS AND FINDINGS from YORKSHIRE & THE MIDLANDS	
- Project Ark: John Holman	15
- Circles of Symmetry: Jim Lyons	16
- The Charley Knoll Formation: Tony Caldicott & Charles Holderness	18
- Circlecast 1993: Anthony Harding & Barbara Davies	19
- Communication?-East Midlands Study group report: Karen Douglas	20
STAR FIELDS: Joachim Koch & Juergen Kyborg	21
SKY & CROP WATCHING EXPERIENCES	
- notes from a CSETI Field Trip: Ron Russell	23
- The Free Access Formation: ilyes	24
- Untouched Circles Peter Sorensen & ilyes	26
LISTENING TO OTHER DIMENSIONS	
- Hearing Voices: Sarah Bell	26
- Channelling Explained: Andy Thomas	27
ON THE MATTER OF HOAXERS: Chad Deetkin	28
LETTERS TO THE CIRCULAR with Diagrams of 'Bythorn Overhead Projection'	30

The Circular: supplied free to CCCS members Non-members: £2.50 per issue, £10.00 for 1 year (Includes P & P)

Overseas: £2.50 (\$5) per issue, £10.00 (\$20) for 1 year (add £4 (\$8) for airmail) Published quarterly

Write to Hugh Pincott, Specialist Knowledge Services, St. Aldhelm, 20 Paul St., Frome, Somerset BA11 1DX

Cheques made payable to The Circular (Overseas: Sterling, money order drawn in sterling, or US Dollars only)

Advertising rates are available on request in writing to: Barbara Davies, Old Stables, Lescrow, Fowey PL23 1JS

Views expressed in The Circular are not necessarily held by the CCCS or the editorial and production team.

All material in this journal is copyright and may not be reused without permission

Copyright for articles and illustrations rests with the original authors, photographers and artists

Printed by Meon Valley Printers, Abbey Mill, Station Road, Bishops Waltham, Southampton SO3 1DH.

EDITORIAL and NOTICES

Barbara Davies

The cover photograph reminds us not just that spring is coming but that by the next issue of *The Circular* we can expect to have seen some more of these beautiful and unexplained circles in yellow-flowering rape. Meanwhile, together with some of the latest research results, this issue features accounts both from home and abroad of researchers' personal awe and pleasure at experiencing the still unsolved mystery of the phenomenon for themselves. *The Circular* continues to prioritise *factual* and *first-hand* crop circle material - research projects, specific events and accounts of personal circle experiences. As more and more of these are published, there is increasing feed-back and a reserve of interesting articles (and a backlog in my letter-writing - many apologies!). If you have material to submit, please respect the next *Circular* deadline, i.e.:-

30th April, for the June issue

Articles sent on DOS disc (text or Word files), will be extra welcome. Illustrations camera-ready please (or graphics files).

Fact and facton

Together with news of the first formations of the season, the next issue will carry a review of the latest attempt to assassinate circles' research, already aptly dubbed 'Crop Circle Apocrypha'. I find the book curiously thin on fact, and the author also gives the impression of not being too clear about his real beliefs or his moral/emotional stance. If you read it meanwhile, try listing the silences and inconsistencies . . . I do think, however, that we cropies do not help matters by adopting a crusading manner. I would therefore welcome for this journal some *well-reasoned* and non-malicious material from 'agnostics', as there is a very real danger of judgmental fervour.

Man-marks

The Bythorn saga has thrown us into a crisis of trust where we are having to question not just people's memory and motives but even the good old maxim that photographs can't lie. Also highlighted is the need to recognise that dowsable patterns are regularly created and left behind, wittingly or otherwise, by *humans* (as well as by earth energies), and so the technique, used as diagnosis of 'genuine' circles, needs fine-tuning. Try dowsing your gateway, or a before and after effect at a barbecue site! Stick with it, for this path is not going to get any easier!

CCCS MATTERS

This season: -

IF YOU SPOT A FORMATION

Please don't assume we know about it already! We operate best as a network. Most of the formations in the December *Circular*'s datalist were originally reported by 'ordinary' CCCS members. (Thank you all those who have sent emendations to this. Any more to come?). As you have seen, the information is shared with you. Remember, the live hotline is there throughout the season if you want updates.

So, please, either: report any sighting to your local branch convenor, or notify the

Hotline: - 0726 832367

so that it can be checked out promptly. Meanwhile, photograph or sketch it in context with field boundaries, road etc., if you can, and note anything in its physical features which suggests 'genuineness' or otherwise (the farmer's permission is needed before entering the field). If you are just bombing past on the highway, try to get as close a fix on its location as you can, and note the date, time and weather . . . Someone will be using up *personal* time and petrol to visit and record it fully, so please give your name and phone number (if you leave a message) so that we can get back to you. Since once the formation is entered it is very difficult to establish its original state:-

prompt follow-up is all-important.

If you are the one to inspect it, please ask for a report form from me or your local convenor (or you can photocopy the one included in the June 1993 Circular).

Paul Hailey is prepared to act as a *technical researchers' communication point* this season. If you can offer a) surveillance equipment such as magnetometers or special cameras to lend and/or b) time, commonsense and mobility, please contact him on:-

0792 234782

PHOTOGRAPHS of formations are always much needed both for the database and *Circular*. We are very grateful to the varied people who supply these - again, please don't assume we already have these: we haven't an official photographic team. Please put your name & telephone number on the back of any you send, and identify the formation and date.

STOP PRESS: WANTED!

photographs of 1993 formations for a
CCCS Year Book

Contact

Lucy Pringle, who is editing it:
5 Town Lane, Sheet, Petersfield, Hants
GU32 2AF (0730 263454)

In particular:

This year, we also intend to get together a collection of photographs/slides to supply to members. Christopher Weeks (042 868 2641) and Richard Smith (0773 824791) are focalising this project.

Please also note Nancy Talbot and Ron Russell's requests for anomalous photos.

The next full CCCS International Weekend Conference will be in 1995.

CCCS will, however, hold a

One-day Conference

On Thursday, 29th September 1994
at Haslemere, (nr. Guildford, Surrey).

Tickets: £20 CCCS members; £25 non-members

(The lecture already organised by Lucy Pringle - see advertisement - will be the evening event.)

Pencil that date in now!

MISCELLANEOUS

Small ads.: To assist individual crop circle research projects, the Circular will include small-ads in future (free, if these are brief and the project is not for personal profit). Local branches may find it helpful to announce their meetings here, too.

West Midlands forthcoming lectures at

Dr Johnson House, Bull St., Birmingham. 2-5pm.
23 April: Andrew Collins: The Orgone Project.
18th June: Paul Fuller: Historical cases 7 the UFO connection.

10th Sept: speaker to be announced
12th Nov.: Lucy Pringle: Crop circles' physiological and psychological effects.

Enquiries: Ray Cox: 4 Lulworth Close,
Halesowen B63 2UJ (0384 66383)

We have received notification of the :-

Dr. Alexander Imich Prize Contest No.6

A \$1,000 prize is being sponsored by the Center for Frontier Sciences, Temple University, USA.
Subject:

'Are all Crop Circles Merely Hoaxes?'

The winning entry will be published in the Center's periodical 'Frontier Perspectives'. All other entries remain the property of the authors.

Deadline: June 30th, 1994

Papers should be in English, double-spaced with minimum 1" margin, on one side of A4 sheets.

Send three copies of each entry to:

W. P. La Parl, Contest Coordinator, 19 Wood St., Hopkinton MA 01748-1132,
U.S.A.

The Disinformer: a review Barbara Davies

In a letter called 'Rolling on a Flat Tyre', Erik Beckjord describes the tone of an underground satirical magazine of this name (or one something like it) as: 'a certain internal sneering and disrespect for new age crystal gazers and people who sacrifice sheep and leave the remains at the centre of Barbury Castle formation . . . ?'

Sometimes eerily up-to-date with circles' gossip, and what it doesn't know, blatantly inventing (the cruder the better), and secured from libel by secretive anonymity, this photocopied broadsheet (circulation limited and random) in a cramped font draws its life from (and does to death) certain legendary axioms, namely:

- 1) All crop circles are hoaxes.
- 2) All circles' researchers are figures of fun. In particular, some go in for black magic, some hoax circles to illustrate their theories and
- 3) All others interested in crop circles (except, naturally, the author/editor - the disinformator is all written in the same style) are at least one of the following: - making vast sums of money by promoting circles; hoaxing them to prove outlandish theories; paranoid; sexually deviant; or too young. If none of the above, they are simply mad or naive until something more sinister can be said of them.

Where not clumsily offensive, some of the rag is funny: Henry Azadel confesses to being a leading member of Opus Dei, while due to a mix-up at the publishers Jim Schnabel is commissioned to pen George Wingfield's biography, who, attempting to trace a long-lost brother who emigrated to Australia, discovers him to be Doug Bower! George's 'shoot first' attitude to hoaxers is portrayed almost with affection and - another tender touch - the 'exploded bird' found by Lucy Pringle in a 1993 circle, was actually, we are told, run over by a passing lorry whose driver contritely placed it in the circle for 'healing'. . . We learn that Beckjord himself, communicator with circlemakers, is to open an early learning centre because '[aliens are] obviously in need of some assistance. . . their native tongue appears to be the ancient Nordic/Berber language 'Tifinag', with a little Korean thrown in, which was presumably being spoken on earth the last time they were here.'

Even if you're new to the crop circle scene, and the above allusions are confusing in-jokes, repetition will soon make you familiar with some of the more mythical characters: Paul Fuller, obsessed with libel suits; Rob Irving, a sinister pub-crawler; McNish the turncoat; the elusive Jim Schnabel . . .

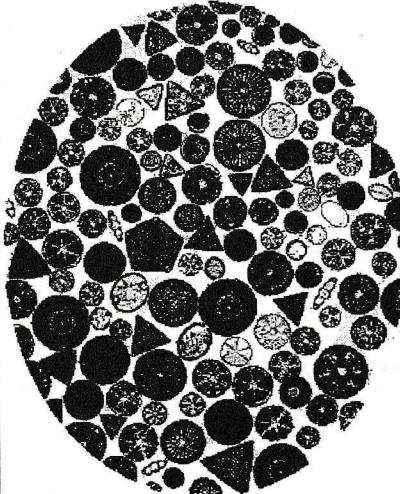
Using the most economical of disguises the balaclavaed author is no doubt among the caricatured: the trait found most admirable is cynicism; the most ridiculous thing to be is sincere.

Beckjord, who incidentally is seeking to obtain back issues of this presumably free publication (and I wouldn't mind some more myself - one might as well know the worst!), urges Schnabel, if he is reading it, (or presumably anyone else attached to disbelief) to set up a counterhoaxer team next year. If he can stop hoaxers by this means and then ALL circles stop, perhaps this, he suggests, will prove that no circles are real . . .

Meanwhile, the spell-check on my word-processor persists in making a few enlightening corrections too: Schnabel = Schnozzle; Irving = Irking; McNish is manic; and, of course, Randles rankles. There is, however, hope for the Colleen's Earthquest Orgone which comes out as 'earthiest origin'. Sadly, it is not inappropriate that the Bythorn Mandala is the Bighorn Mandate.

HAPPY EASTER

from Barbara



Symmetry in Nature: arrangement of diatoms under a microscope. supplied by Kay Larsen

CROP CIRCLE FORUM: DERBY

reported by
Ray Cox

A Symposium. A Conference. A Conference. Why not a Forum? One was arranged by the CCCS East Midlands branch on 4th December 1993 in Derby.

It's a good idea to have such an interchange when most of the other gatherings of a similar kind are either at the height of the season or just after. The intentions of this meeting were branch member dialogue; the sharing of personal experiences; a discussion of the intuitive

nature of the phenomenon; and exploration of future directions and cooperations.

Karen Douglas set the scene and her talk really summed up most of what followed: we should not so much ask the who and how, but the why of the circles, which are talking very much to the subconscious. The emotional response is an important factor, the personal interactions and associated synchronicities, part of the interactive element. How do we take an active approach towards the crop circles? It was a theme developed by Mark Haywood and Alison Tredwell, who enthusiastically led us towards an intuitive approach. Mark also noted a personal element in the events of the last season in his area, and he included a description of the Charley Knoll major pictogram, with particular reference - in his view as an amateur astronomer - to the similarity of the formation with the summer constellation Cygnus.

The East Midlands branch was one of a number last season which had attempted meditative and possible communication techniques, perhaps as a result of realising that a scientific litmus test to show the genuine nature of the phenomenon was not forthcoming. Another was the Sussex branch, and Andy Thomas's talk took us through the closely-grouped Sompting formations, and described in entertaining fashion, the attempts at trying to capture a formation in the making, as a result of communications received via channelling.

It was John Holman (CCCS Yorks) who considered the practical future as leading to a greater awareness in the public sphere - not only about crop circles but UFO's and other such borderland phenomena. There is the reluctance of the public, media and politicians to consider these things. John also offered a thought-provoking realisation that while the investigations of crop circles has become more involved, the public interest diminishes, a gap is generated between the public and circles people, who become more insular, as with group projects. A more public message was needed (I wonder whether the same situation would be with us even without Doug and Dave's revelations to the media?).

To round it off, Yorkshire's Jim Lyons gave a concise but original and stimulating account of the relationship between physics and subtle energy.

Though this gathering was small-scale, and although I enjoy most of such gatherings the Glastonbury Symposium for its atmosphere and general joyous ambience, amongst other reasons, this forum in the comfortable historic Metro cinema in Derby and the creditable master of ceremonies, Richard Smith, was a worthwhile venture, notwithstanding the small attendance.

**2nd CCCS
INTERNATIONAL
CONFERENCE Aug. 7/8
1993:-**

DAY ONE: THE ENIGMA CONTINUES

Marcus Allen

The setting for this event, attended by 150 delegates, was the imposing conference room in the Guildhall in Bath.

Michael Green, opened the conference by outlining the many changes and diverse events of the past year, setting the tone for the day with his call for tolerance and an open mind to all avenues of research.

Barbara Davies, who as CCCS Secretary and voice of the hotline, has been as near the centre of events as anyone, then described more fully the main events and issues of the season with a graphic account of the never-ending flow of information, both in and out, and the continuing speculation as to causes.

Lucy Pringle followed, telling us of the initial phase of an experiment which involved burying small bottles of water in the circles (to test for homeopathic effects). (The difficulty of retrieving them later was effectively resolved by dowsing). She also summarised some of the reports of physiological and psychological effects written by people after visiting circles.

Rodney Hale then dealt with some physical, electromagnetic effects recorded, particularly by the Relate project. As with so much research into this phenomenon, there are no established guidelines to help: it is only possible to say that some effects *can* be measured with instruments, though what they tell us about the circles is still under review.

After the lunchbreak, (which gave time to inspect the stalls of books, sweatshirt designs and jewellery for the cerealogically correct), Roy Dutton described his diligent research of many years into the link between UFO sightings and astronomically-related times and dates, and considered the extent to which they therefore could be predictable.

John Martineau then held the audience enthralled with his exposition of the sacred geometry of crop circles. To see the outlines of well-known formations overlaid with equally familiar geometric shapes - triangles, pentagons, pentangles, etc. and to see the connections between the shapes in the fields, and their inner construction was a breath-taking experience.

The North American perspective broadened the conference with an account from Ilyes (USA CCCS Co-ordinator) of reactions to the Kenniwick formation. She was followed by Chad Deetkin with detailed descriptions of Canadian events and experiments on the growth potential of circle samples. The mystery of the squashed porcupine discovered spread-eagled in one formation is rapidly acquiring the status of a legend! Chad must surely qualify for one of the most dedicated of researchers, his nearest formation being over 800 miles from his home in Vancouver.

In the evening, Richard Andrews demonstrated his unique gift for dowsing linking his discoveries of energy lines to the physical world so drawing together two of the main features of the phenomenon. Leonie Starr, the conference organiser, was then warmly welcomed to the platform, where she demonstrated links between astrology, ancient civilisations and crop formations of today.

Finally, Busty Taylor, aviator extraordinaire, let his eagerly awaited pictures do the talking - over 200 of them - in a show unsurpassed for both quality and quantity. Sometimes we wondered what angle the plane had been flown at to achieve the result we saw on the screen!

After more than twelve hours, the first day ended with expectations well satisfied. As though to celebrate the presence of many overseas as well as British delegates, the Cherhill formation appeared just a few hours later. Could it be the Hand of Friendship which was being extended?

**DAY TWO: - BUCKETS OF COLD WATER
AND TIDINGS OF GREAT JOY**

Andy Thomas

I attended the Sunday of the International Conference, to admire the chandeliers in their grand setting, peruse the ever-increasing stalls now customary at such events - as well as to listen to the speakers.

First, from the chair, Professor Archie Roy told of a recent encounter on a plane where he sat next to a lady who was chuckling at a newspaper article making fun of all us gullible crop circle folk. When she explained why she was laughing, Professor Roy broke it to her gently that not only was he one of these, but also president of an organisation dedicated solely to studying crop circles!

The temperature of the room dropped a little as the next speaker, Montague Keen, regretted that he felt obliged to throw some "buckets of cold water" over our enthusiasm by

revealing that, on consideration, he now believed many of Doug and Dave's claims to be true! Somehow, he had been impressed with their recent presentation of 'new evidence' and, with curious logic, claimed that it was the inconsistencies in their stories that convinced him! Although understandably erring on the side of caution, as representing 'science', he was also, in my opinion, unfairly dismissive of the excellent work of Dr. W. C. Levengood, in the USA, studying anomalous effects found in circle-affected crop.

George Wingfield then swept away all talk of Doug and Dave with a well-timed account of the many 'luminosities' and aerial phenomena now associated with certain crop formations. With so many independent reports of strange lights-in-the-sky, there can be little doubt of their connection with the circles - which kicks the hoaxing theories into a cocked baseball hat (unless you go with Andy Collins' hoax-as-orgone-accumulator theories). Unfortunately, George was then unduly negative about the 1993 formations, dismissing many as hoaxes on the tiniest evidence. After being on the receiving end of attempts by troublemakers to catch him out, his understandable caution is now beginning to look like scepticism - a shame, because he still has a lot to offer circle research.

Colin Andrews, however, turned the mood around completely with "tidings of great joy" for the crop circle community. Recounting new findings and old, he showed conclusively that something incredible is going on. He described witnesses' accounts of circles forming; showed photographs of some extraordinary geometric patterns that appeared on a frozen river in Boston, USA; and described the undoubtedly escalation of reported aerial phenomena around the world. He also spoke of fruitful discussions with the CIA and MOD, and of his hopes for a new era of openness, as even these now reportedly acknowledge that something extraordinary is occurring. Re-iterating his belief that the crop formations are a cry for help from the Earth, Colin finished by reading a letter sent to the 'Fortean Times', in response to an article by Jim Schnabel, pointing out the many reasons why the circles phenomenon must be much more than a man-made enterprise.

Negativity and interactivity

In the afternoon, came brief reports from regional branches of circle activity and research in 1993. Some of the reporters seemed to assume that many of their local formations must necessarily be hoaxes; but as their expectations seemed to be very low in the first place, is this any wonder, if the crop circles are the interactive phenomena many

believe them to be? (The East Midlands CCCS branch, which had *high* expectations, got one of the best formations of the year in the Charley Knoll cross).

Michael Green rounded off Sunday's lectures with a well-thought-out interpretation of the Celtic symbolism of the 1992 Dharmic Wheel. Describing it as the most important crop formation to date, he added that if, as was unlikely, Jim Schnabel had been responsible, he must have been "possessed". Michael also played a short piece of music, based on three 1992 grapeshot formations, from which a musicologist, treating them as notes in a scale, had produced, via a synthesizer, a sweet, melancholic, one-minute symphony. Whether this was the intention of the circlemakers or not, the strange piece of music was oddly appealing.

After a long, stimulating discussion session, the conference finished with some closing words from Michael and a neat curtsey from Leonie Starr in acknowledgment of the deserved applause for her efforts in organising the weekend.

I enjoyed the day very much, but I was rather concerned by the amount of negativity coming from some quarters. Would people whose sole purpose at these events seems to be to spread this *not* bother to attend in future. After all, if you suddenly decide not to like bread and cakes, you don't keep going back to the bakery.

ORGONE PROJECT 1993

Extracts from
Andy Collins' Feb. 1994
newsletter -

Photographic anomalies

In this, Andy says that there is still much debate about the apparently dramatic photographic anomalies which Orgone 93 came up with. Air-bells, insects, raindrops and emulsion blemishes all have been suggested by some experts and dismissed by others.

This has led to plans for using **stereo photography** to remove the possibility that something quite ordinary is being mistaken for an anomaly.

However, some interesting features have emerged from statistical analysis, which incorporates data from other teams (e.g. 'Relate' and Paul Hailey) working at Alton Barnes last season. . . e.g. the large electrostatic fluctuations recorded, and unexplained flashes of light may, Andy feels,

both be by-products of a 'much more primary occurrence affecting the localised energy continuum.' Andy himself saw a 'massive flash' above Alton Priors in the evening of 30th May 1993 (presumably the same that Francine Black, who lives there, witnessed and connected with the appearance of the ringed circle which appeared overnight at Silbury Hill. (See December Circular's datalist). Incidentally, that was the night that a ring appeared at Clacton-on-Sea, Essex). Also:-

OED + meditation → anomalies?

'When the OED (Orgone Engineering Device) the so-called mini-cloudbuster, was used in conjunction with co-ordinated meditation the anomaly count in all fields was significantly higher. None of the individual meditations, OED experiments or control tests produced similar results. It also seems as if the use of ancestor spirits as the selected archetype for the meditation scored much higher results than the use of either alien imagery or Gaia-based archetypes...'

Three days have emerged as producing more anomalies than during the two-week period of experiment: Monday 19th July, Friday, 23 July and Monday 26 July... '

Chilly reading!

There were also some striking temperature differentials observed in relation to the inside and outside of the OED: a large number of anomalies being associated with a marked temperature drop.

1994 project

The report outlines plans for the **Earthquest** project (not 'Orgone 94'), to investigate 'the possibilities of a psychic interface with the environment . . . [and] the existence, or not, of a primary, pre-atomic energy continuum and its relationship to light consciousness, non-locality, Reichian physics and the quantum idea of multi-dimensional superforce'. (Crop circles will no longer be part of the research, however).

The project will begin in April with a journey along the Ridgeway, from Oxfordshire to Alton Barnes, suggested by a hunch that the route was once a ritual or ceremonial track with a specific usage. This will be backed up by meditations, using ancestor spirit archetypes, both on site and beforehand.

The next Psychic Questing Conference will be in London ,5th & 6th November 1994

Enquiries to Earthquest, PO Box 189, Leigh on Sea, Essex SS9 1NF

An Introduction to:-

DR. LEVENGOOD'S LAB REPORT NO. 18

John A. Burke

[Dr Levengood has moved on from his well known work on the 'bent nodes' to studies of evidence from the seed heads of circle-affected crop. In his preliminary remarks in Lab Report 18 Dr Levengood explains that his previous research into cell wall pit size data from bract tissue from crop formations let him to suspect that there might be 'physical alterations in the cellulosic microfibrils of the cell walls of bracts and seeds', objectively measurable by electrokinetic means. The full Report is in technical language more accessible to specialists than the lay reader. We are therefore very grateful to John Burke who (with Dr Levengood's blessing) makes available the following summary.

By the way, re. the 'bent nodes' in crop circles: - Dr Levengood asks me to draw attention to the fact that in some published work by other researchers, the stomata of the plant nodes are confused with the cells. He says that this it is like comparing an elephant with a mouse, and that consultation of any botanical dictionary will clarify the difference! - BD]

As you know, Dr. W.C. Levengood has generated a series of lab reports related to his study of crop circles. Beginning with this report, the reader will find introductory highlights presented in non-technical terminology. It is our hope that this may help facilitate communication regarding the findings to readers of a non-scientific background.

Report 18 further defines the oscillation method currently being used to analyse formation and control samples from crop circles, etc. The method was introduced in Reports 16 and 17. After months of hard work this method has been refined as a valuable tool, not least because the technique considerably automates this time-consuming work and eliminates the 'subjective' choice of objects to measure (i.e. cell wall pits), previously viewed as an objection by some.

Measurable difference

The seeds of wheat, oats, and barley are surrounded by a thin tissue, or membrane, called the bract. The energies which create crop circles somehow alter the structure of this membrane in such a way that (in comparison to controls) it changes the rate at which ions (electrically charged particles) are transported across it.

Permanent changes

This methodology is as follows. The bract tissue is removed from the seed and attached to a positive and negative electrode at either end (Fig.1).

SCHEMATIC DIAGRAM OF CROP CIRCLE VERIFICATION SYSTEM

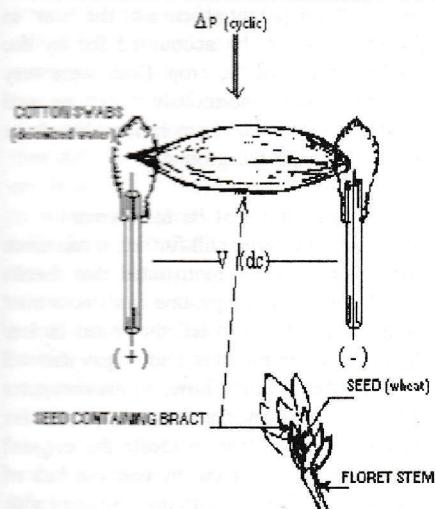


Fig 1. Ionophoresis under conditions of controlled oscillations of hydrostatic pressure (ΔP) within the microfibril network of the bract tissue system modified from (see ref*), to produce electro-osmotic coupling.

A small, low-power current is run through the tissue. While this is happening the bract is subjected to internal mechanical stress by means of the changing water pressure induced by short, scheduled periods of evaporation. This method was adapted from a 1985 study by Dr. Levengood.

Bracts which have been subjected to crop circle energies are permanently changed so as to transport more ions across the bract membrane. This means that more electric current can cross the membrane. It is the differences or changes in this current which are measured while internal water pressure is applied and then released (Fig. 2). The key factor measured is the 'amplitude coefficient' (hereinafter called 'alpha'). Alpha is equal to the minimum current recorded divided by the maximum recorded as it crosses the membrane during periods of stress or rest. Obviously what we are looking at here is proportional change. It is not the amount of current, (which varies by plant and set-up) that matters but the proportional current change. This reveals how much the membrane has been altered.

A new method has also been adopted for the statistical use of controls. Now, for every measurement taken on a circle sample, a measurement is taken on a control and the two are compared. The odds that a circle sample's alpha value is higher than a control's by pure chance is 1 in 2, or 0.5. The odds that alpha values would be higher by pure chance in 6 samples vs. 6 controls is 0.5×10^{-6} — less than one chance in a million!

Correlation of the oscillation method with the previous method can be seen in Fig 2. In Lab Reports 1-14 a method was developed using a factor than combined: 1) the change in rate of seedling development from circle seeds vs. controls, and 2) the percentage increase in cell wall pits (not to be confused with stomata). The oscillation method dispenses with cell wall pit measurement. As Fig.2 shows, seedling development rates generally match the alpha values determined by the oscillation method, demonstrating the accuracy of this new technique. Samples and controls that had been examined with the old method over the past few years have been laboriously re-examined with the oscillation technique and the results agree. Thus this is a further confirmation of the earlier work and an indicator of continuity.

Note that crop circle energies are not neatly predictable in a linear fashion but exhibit some characteristics of deterministic chaos. In Fig 2, sample 'Ring-5' has only slightly higher alpha value and greatly higher growth rate. Nevertheless ring-5's alpha value is above any control, and such a result is to be expected occasionally from any event involving turbulent, chaotic energies.

Fig 2. Alpha Values compared with seed growth data from a Canadian crop formation.

Crop near circle affected

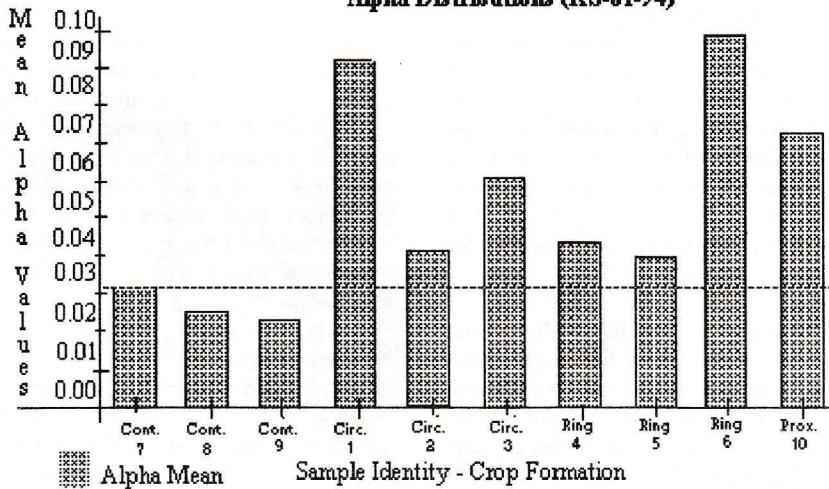
Note that differences in energy levels within the formation can be traced by comparing the alpha values of the samples. And perhaps most exciting, a 'proximity effect' has been found (see sample 'Prox-10' in Fig.3). Standing crop up to a short distance from a circle shows the effect of circle energies. Control samples are taken at least 100 meters away and show no effects.

Hoax samples different

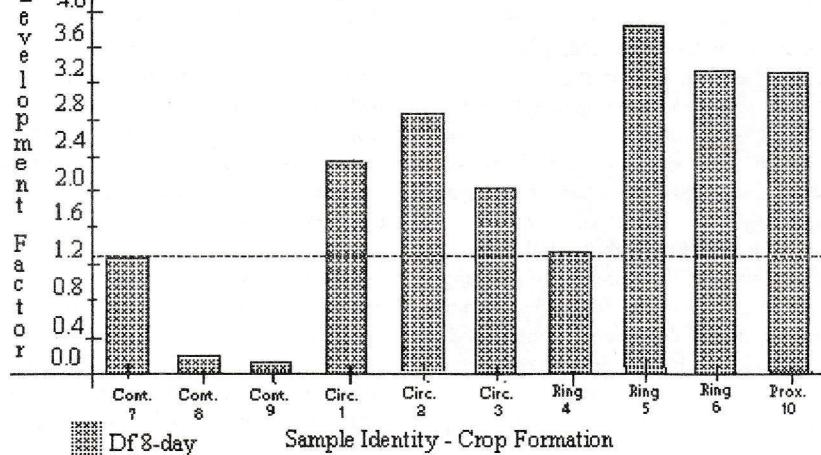
A final, important note. In 1993 numerous samples were examined from deliberately 'hoaxed' samples, flattened by man and sampled at varying time intervals. In none of these were higher alpha values or growth rates observed. It is strongly felt that this and previous work now places the 'burden of proof' squarely on the shoulders of alleged hoaxers. If they ask us to believe their claims, then they must show us how they changed the alpha factors and seedling growth rates in the crop they flattened. Further, let them show how they produced this effect in standing crop at the edge of the formation. If they cannot show this, why should we waste more valuable time listening to them?

*Ref: Levengood, W.C. 'Electrophoresis in plant cell organelles' (Bioelectrochemistry and Bioenergetics, 25, pp. 225-239 (1991)

Alpha Distributions (KS-01-94)



Seedling Development Df (KS-01-94)



BYTHORN UPDATE

Barbara Davies

On 29th January 1994, a small group of us met at Beth Davis's home, near Bythorn itself, with Julian Richardson, 'claimant' of the formation, to try to sort out the truth... The following is a personal impression of the meeting. (Montague Keen has written a 17-page report from his point of view and the official CCCS view is 'Inconclusive!')

It was a strange meeting: two key 'witnesses' were unable at the last minute to attend - Michael Inns, who had apparently been told by Julian that the field in question was one that he might use, and the farmer involved - Jim Nichols. These absences more or less evened each other out. However, since then we have received signed statements, from five people, including the farmer, which contradict Julian's claim (repeated at the meeting) that he made the centre disc, rings and petals on Saturday night (4th/5th Sept.) and laid the star across the formation, as an 'afterthought', on the Sunday night (5th/6th).

Close to his chest

However, at the meeting we only had hearsay evidence from the farmer etc. (and Michael Inns) to go on and had to rely on that provided by those present. Most of this was already summarised in the December *Circular*, a copy of which Julian had been sent by Montague Keen (who chaired the meeting), so that Julian could see why a great many people were not at all convinced by his claim.

It struck me as strange that Julian had not meanwhile attempted to find explanations for the considerable inconsistencies between his account and the published surveys and measurements of both Peter Chapman and Michael Glickman. A fine drawing *had* been prepared after the event of the construction method he claimed to have used (he said he had thrown away his original sketch) - but the problem with this was that it did not allow for the asymmetry in the central disc, the overall shape and, more markedly, in the 'petals'. (Computer analysis - of overhead photographs - has since shown that the petals were unlikely to have been formed as methodically as he described).

Julian took us clearly through his usual construction methods (using a central - broken - tripod not pole, a cloth tape-measure held close to his chest, and a metre-wide stomping stick to lay the crop after making guiding 'foot-rings' the width of his trainers. Paint-tin lids were used to mark e.g.

points of departure for the petals). He said the night in question was overcast, but that his night sight was good.

But his answers to detailed questions on the mathematics and some of the practicalities involved were far from equally clear. 'I can't remember', 'I don't know', 'It must have been'... and matters were complicated by his being often prompted by George Wingfield who, like Beth Davis, strongly supported Julian. When Julian confused diameter and radius when asked how he created a circle of just the necessary circumference, for instance, (he 'used Pi', on a calculator) George promptly corrected him. A slip of the tongue, maybe - but it turns out that Phi, the Golden Ratio number, is also intrinsic to the geometry of the formation, and he had never heard of this. (It is indeed perfectly possible to construct a Golden Ratio *without* knowing the necessary terminology, - but only if the *principle* is understood. One way is by use of the vesica pisces - see Jim Lyons' article). Anyway, a very, very exact following of a drawn-up plan would be necessary in a crop-field in the dark, over a huge area. I felt that this was somewhat overlooked. To draw out the design on paper is clearly *not the same thing at all*. It also involves extra construction lines of which there were no sign in the field. If he arrived at the appropriate ratios of rings, disc and petals *without* any theoretical knowledge (try it!) this would have been an extraordinary coincidence. Julian also volunteered, before anyone asked, the information that a 'lucky accident' (thistles snagging his tape) made the outermost ring big enough to accommodate the petals without their tips projecting into the standing crop (for by then he had found out that his original construction method, as described, would have led to too small a ring).

Montague Keen, clearly convinced in advance of Julian's 'innocence' (or guilt, depending on how you regard the activities of a hoaxter) rarely challenged Julian's vague answers from the chair and there was some concern that technical and detailed evidence presented by others often passed unexplored. (Undamaged, bent thistles were 'stamped down hard'... etc). Drawings by Anthony Cheke and photographs by Michael Glickman both showed that parts of the star emerged from *below* the 'previously constructed' rings. Everyone still agrees that this piece of evidence was puzzling, but it quickly fell into a black hole.

Blurred photographs

Montague had arranged to have Julian's prime 'evidence', parts of two photographs, recently produced, enlarged. These purportedly showed, from across two fields and the wide main road, a before-and-after effect.

(These were different from the ones George had been sent in earlier in the autumn by Michael Inns, which were even more blurred). In my view, though opinions on this were divided, since the first shot was taken from a noticeably lower angle than the second, the apparent absence of the 'star' in the earlier could be accounted for by the masking effect of the crop. Both were very indistinct, being enormously blown up, and it was impossible to see in either what shape actually *was* on the ground.

The camera has lost its innocence

To muddy the water still further, it has since been conclusively demonstrated that thanks to computer technology, one can't now trust even negative film to tell the truth! In less than a couple of minutes, Paul Vigay showed us at another meeting how, on his computer screen, a Barbury Castle photograph, for instance, can be used to create the original formation from scratch, by copying bits of field and masking the original. Anyone with access to computer graphics (even I!), of course, can do this *on-screen*. What I had not realised till then was that it is no problem at all to convert the series of images so formed to a strip of ordinary negative film, via special equipment, and that such a service can be arranged by a specialist firm for a few pounds.

Not alone?

Throughout, Julian's manner was flat, gloomy, distant and monosyllabic, though he was treated with courtesy and indeed friendliness. He showed a strange lack of enthusiasm for the formation, and put minimum energy into supporting his claim, not seeming to care very much whether he was believed or not. He dismissed all references to its beauty with a shrug, saying he preferred the formation he made at Cranford (which is *in a completely different style*. The only common factor is that it features a five-pointed star, whereas Bythorn has the resonance of a mandala - compare the illustration of a real yantra, p.9). At the time I assumed that with at least two people present (and one his hostess), totally committed to his being the 'hoaxter', he would have found it psychologically very difficult indeed, even if he wanted to, to back out of his claim. But at one point in the interview, he let slip the pronoun 'we', and appeared confused when this was queried. If not he alone, but a small *team* (e.g. the one responsible for the 1991 Woodford Rings?) made the formation (and channelled a yantra), I would find it easier to accept the incompatibility of both his manner and evidence with the final result. It would explain both the feeling that he was keeping something back, and his preference for his 'own' work, let alone the sheer amount of work involved. Anthony Cheke has pointed out that the irregularities in the

construction of the petals are compatible with several people working at once.

Inconclusive?

The whole experience was depressing and bizarre: it was odd to be aware that of those present only Julian knew the truth! Emotion affected the group's attitude to evidence so strongly that, when a straw vote was taken towards the end of the meeting, (three people said they believed Julian, and three said they did not), I was one of the four abstainers. It is not only very, very difficult to vote to someone's face (Julian was across the table from me) that you believe him a liar, but I was feeling so dissatisfied with the whole set-up by then that a detached viewpoint was beyond me. However, since then, looking over my notes and checking my impressions, I find Julian's behaviour, as well as the factual evidence, consistent with his being backed into a corner in some way, and with his *not* telling the truth (or the whole truth), especially as we have since learned to mistrust even our old friend the camera. I find it easier to believe that a hoaxter is *not* telling the truth than that practical country folk, and an unconnected person with no axe to grind, are lying. The following testimonies suggest that this was indeed the case.

These signed statements have been received, confirming that the Bythorn formation was on the ground, complete, before Julian went out on the Saturday night:

To present these seems to me something in the nature of overkill, but here they are:-

"On Saturday morning 3rd September 1993 I and two of my farm workers went into the wheat field and saw a crop circle which we entered and saw was complete with rings petals and star".

T.J. Nichols [farmer, Bythorn]

"On the morning of September 3rd 1993, I went to the corn circle in the field of wheat, which is exactly the same as in the photo." A.J. Gambrell. A.J. Ray [two of Mr Nichols' farmworkers]

"On Saturday morning of the 3rd September 1993 whilst in the process of doing my job feeding the gamebirds on the land, I saw and upon investigation came across a corn circle, complete with rings, petals and star."

Alan Ducawle [gamekeeper]

Additionally, an early visitor to the formation (Patricia Kierman), *long before there was any question of it being hoaxed*, or indeed before the 'crop circle community' knew of it at all, reports that the farmer said, when he met her in the crop circle:

'I went to bed Friday night, looked out of my bedroom window Saturday morning and there it was; it was on a full moon as well'. *[The moon actually became full in the small hours of Sept. 1st, but it would still look more or less round on the 3rd. By the 4th and 5th, however, it would be clearly a three-quarters waning moon].*

BY POPULAR DEMAND:- FROM NOW ON THE POLICY OF THE CIRCULAR WILL BE TO GIVE NO CREDIT TO HOAX CLAIMS UNLESS SUPPORTED PROMPTLY WITH CLEAR EVIDENCE!- e.g.

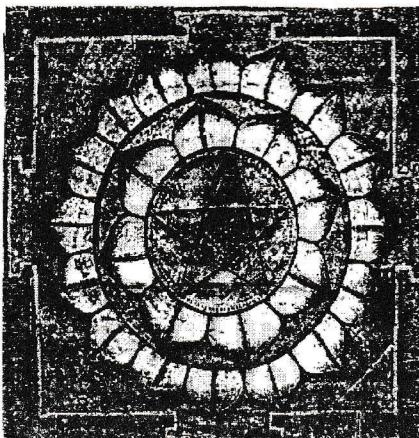
a) exact location and design pre-posted to the Editor.

b) an unmistakeable photograph of the *half-made* as well as the completed formation with yourself in it. (*The susceptibility of photographs to computer manipulation will be borne in mind.*)

Consistently bent, not broken, stems and undamaged flowers are still at a premium.

Anyway, if the farmer's permission has not also been sought - you can forget it!

(I will also be publishing fewer 'anti-hoaxing' letters and articles. I feel we have beaten this drum enough now... and the real purpose of the Circular is to share facts about the circles themselves).



TEN-PETAL YANTRA

This ancient yantra from Rajistan has been unearthed by **Anthony Cheke**. He says: Indian ritual/magical diagrams are largely based on triangles (often forming 6 & 9 pointed devices) and squares (4, 8, 12) but *not* 5's. The pentacle is very rare in Indian symbolism (surprisingly perhaps) and I have only been able to locate this single type (the Shyam-Kali yantra, as here), of which I have seen several versions. Shyam is a 'facet' of Shiva, but that doesn't make it 'his' star - [see Lucy Pringle on the Bythorn pattern in Dec. Circular] and Kali is of course a goddess.

Sacred designs using other petal numbers, connected with the seven chakras



1000

above the head



2

between the eyebrows



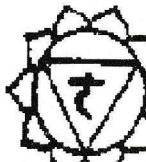
16

throat centre



12

heart centre



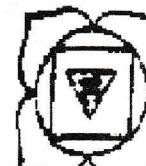
10

navel centre



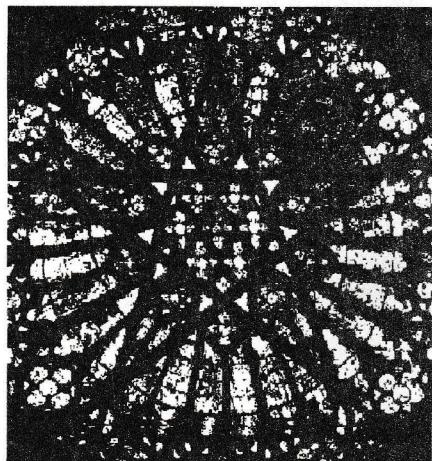
6

below the navel



4

base of spine



A rare pentacle rose window: St. Ouen Rouen, c. 1440. Based on picture in 'Rose Windows', T&H

CROP CIRCLES and MAGNETISM

Larry Grant

Unhoaxable anomalies

It seems to me that with the publication of the project Argus, the arguments for crop circles all being created by hoaxers was soundly, if quietly, laid to rest. The publication of more data in the CCCS *Circular* (Dec 1993 'Magnetic Surveys of Crop Circles in South England') reiterates this fact and shows one route to destruction of the entire hoaxing myth. Both these publications show the correlation between crop circle patterns in fields and the shape of associated magnetic 'anomalies' which sometimes mimic the crop circle shape almost perfectly.

There is no way within the confines of modern science that circle hoaxers could leave not only patterns in the crops but also patterns in the local magnetic flux. This could not be done by daylight under controlled conditions, let alone undetected at night. Additionally these patterns reveal that there may be something larger to the making of crop circles than local effects, something which may be telling us very unusual things about our Earth and the still mysterious processes by which a planetary surface is created.

The magnetism of ancient sites

It should also be remembered that in the history of our race there is little record of the use of portable flux gate magnetometers to check out the activities of religious or parapsychological sites. Until these measurements were made the relationship between crop circle and the invisible world of magnetic flux remained unknown. Now one can check out this amazing correlation with the flick of an eye and to ignore the overlap is to admit the need for a new pair of spectacles.

At the same time there was at least one more carefully observed case of compass deviation in the centre of a circle. This one persisted for more than a month, and if the magnetometer researchers could have done some measurements of this single instance even more peculiar and unusual indications might have been found. Perhaps in the coming summer of '94 a magnetometer Hotline could be found which might bring some sophisticated gear into any specific location where compass deviations are first detected. Compared to the delicate measurements made in the circles indicated in the articles an area which can 'bend' a compass reading should show up in approximately the same way as would running a freight train over the gear. Rather conclusively.

Magnetometer hotline?

The suggested hotline could be coupled to anyone who is doing magnetometer research in the fields rather than necessarily indicating the need for what is perhaps an expensive rental for CCCS. If, on the other hand, some folks really want to give the hoaxers a black eye they can check out the possibilities of doing a project of a larger nature, examining the entire area of a crop circle field before and after circles are formed, and of course a baseline from somewhere away from the crop circles for comparison. The use of various forms of magnetic research; compass, coils, magnetometers in the study and verification of real crop circles looks potentially capable of putting the hoaxers in a dumpster.

I realise that covering the area of a crop circle with a grid of magnetometer measurements is not an easy task by any means, but the efforts invested here have a very high possibility of bearing real fruit both for personal and for scientific argument. I very sincerely applaud the persons who have made these measurements. They have, through patience, diligence and sheer grit provided the kind of data which can ram crop circles through the rather buttressed walls of scientific dogma. I again suggest that everyone who goes into the circle fields should carry at least a small compass, and when any detectable deviation occurs, make that known throughout the CCCS coverage area the first moment it is found.

Measure variations year-round

Science is based in part on the buffering effect of many different readings of an occurrence, and on the finding of as many separate occurrences as can be managed. We need to find all the possible locations of these unusual magnetic activities and to study each in as fine a detail as possible. These measurements should also be made during parts of the year when circles are not forming, to see if the magnetic characteristics change during the year or are fixed. In the case of the compass deviation it appears the effect may have faded all-be-it over a months passage. This may indicate that the circle fields are experiencing a slow pulsation in the magnetic realm.

Invisible realms

There are still further invisible realms which continue to indicate that more detailed research will reward the efforts of dedicated researchers. Over time I've received indications that an amazing portion of the electromagnetic spectrum is occupied in various ways and at various times by effects which seem specifically related to crop circles activities. If we consider the apparently steady distortions shown by the project Argus and *Circular* articles as a kind of D.C. (Direct

Current) basement effect in the electromagnetic spectrum we find that the next batch of effects is just up from there in what we perceive as the audio, or hearing spectrum. Using geomagnetic coils also appears to pick up many very localised effects in circles, and evocatively in the ancient monuments, mounds, hill forts and other mysterious locations in Britain such as the step pyramid of Silbury Hill.

Windmill Hill, Barbury Castle and Avebury also indicate that a thorough study of geomagnetic effects in the acoustic ranges should provide a very curious map of these prehistoric locations, and I suspect that a careful look at the area of Warminster might provide most unusual results indeed. In that case I'm projecting on the fact that from what I've heard from tapes of the geomag, ground probes and electrostatic fields of both circles and mystic sites the more historically 'bizarre' an area is the more unusually active it seems to be in these electronically detectable regions. Therefore an area like Warminster, known for being flat-out spooky could prove peculiar indeed.

I would suggest that anyone wishing to investigate these realms should try and arrange a viewing of several videotapes on these subjects which I have deposited with CCCS central. [These are currently being copied to a UK VCR system - BDJ]. Therein are many examples of just what you are looking for. While there have been many books and much sawdust written about the mystic history of Britain I can think of no greater need than for an organised effort to prepare a mapping of British and other sites in the magnetic, ground-probe and electrostatic realms. This could provide the local equivalents of the false-colour Lansat aerial shots which prove so valuable in researching of mineral resources. Map overlays of these invisible but nonetheless real realms should provide startling results which could also bolster the arguments of those wishing to reveal the role of energy lines in Earth surface processes.

Odd radio effects

Farther up the electromagnetic spectrum I've heard indications of radio blanking in the MHz and 70 MHz regions during sphere activity, and possible emanation of radiowaves by spheres between 413 and 500 MHz. In the cellular telephone region of 800 to 900 MHz we find blanking which might be started by turning on a cell-phone transmitter, the circle related radio effects seem to be responsive to local transmissions as well as somehow blanking them. Microwave detectors were triggered during the summer of '94, so the efforts associated with circle areas appear to extend into the GigaHertz range, or billions of cycles per

second. That means that whatever the source of these odd radio effects it is capable of covering approximately the entire range of electromagnetic frequencies used by modern man and woman.

The trash bin of history

At this point one can say with some confidence that the routes into the crop circle effects are beginning to open and that patience and effort will be rewarded. I realise these researches are not so easy, and in fact given drastic weather conditions can be damned near impossible, but we are entering completely new areas and the results of these surveys seem the most likely to allow a real and scientific probing of the ancient mysteries of Britain. The coming year's researchers are capable of moving the hoaxers into the trash bin of history. Let's hope this effect can be achieved.

[In a local workshop, Kobus Nieuwmeijer (who conducted the above-mentioned research) explained that ancient hut circles can show up as magnetic anomalies, due to the long-term effects of being used as hearth sites.]

In stone circles, also, compass aberrations regularly occur. The army knows this: - I once met a group of recruits on a map-reading exercise in the middle of one on Dartmoor, trying to make sense of their readings! In parts of the Welsh Preselli mountains, and also in a known amateur hoaxed circle in Cornwall (as well as in the 'real thing'), I have seen compass swings of 20 and more degrees. In the latter case, why were the hoaxers drawn to that particular spot? (It was in an area where there had been mining and trading for many centuries, so the presence of iron ore would not be surprising.) - BDJ

FURTHER KIRLIAN PHOTOGRAPHY - 1993

Lucy Pringle

Guy Mason kindly agreed to continue with the research we had started last year nobly contending again with handfuls of grain samples from the fields, turning his house into a granary.

I collected the samples as I had done last year, from different areas in the formations and 'control' samples from outside. There was no wind damage in any of the fields so the one instance when we have A1, B1, C1, A2, B2, C2, was from the Wanborough 'Eye' where samples were taken from the crescent of standing crop inside the forma-

tion. All samples were labelled A, B, or C and I alone knew which letter referred to which sample. They were dated and labelled with the formation name.

Guy used the same method as before (see Electronics with Paul Vigay & Kirlian Photography with Guy Mason. The Circular Vol.4. No 1. June 1993) with some important differences. He used six samples, realising that it was important to use as many samples as could be conveniently accommodated on to a photographic plate, allowing sufficient space between each. Therefore, these were always arranged A1, B1, A2, B2, etc, for two sets of samples from a given formation, or A1, B1, C1, A2, B2, C2, etc if there were three.

The other main difference was that Guy decided not to test the stalks but the ears, the reason being that

- by using the upper part of the plant which was very exposed to the wind and the sun there would be less chance of any problems with mould growth,
- the seeds within the ear are potentially alive.

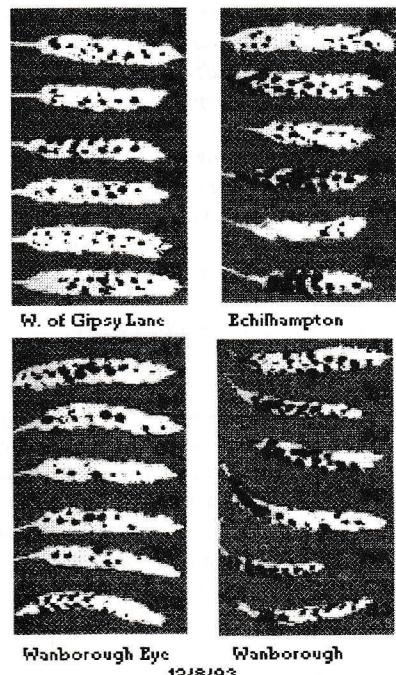
He took photographs of samples from five formations: West of Gipsy Lane, near (Cheesefoot Head) Etchilhampton, Wanborough (Eye), Wanborough (Ring) and Shaw Farm, Lockeridge and whereas the results were certainly consistent with what we had found last year it seems safe to say there does not appear to be any dramatic difference between the samples, except for those taken from Etchilhampton, where the Kirlian image is consistently stronger in the B samples. The B samples were taken from outside the formation.

There was no mould growth present on the samples tested this year, maybe due to the fact that they were placed in a dry bucket for some days in order that they should all achieve a similar moisture content which would depend mainly upon the relative humidity in the air, to achieve some degree of stability and conformity, whereas last summer's samples had been kept in water.

Where do we go from here? The difficulty at the moment is that we are dealing with different shaped ears: no two are the same shape and consequently this may lead to inconsistencies in the result. Also, in the Wanborough formation, for example, we see curvature of the stems which might affect the result. One possible way forward might be to test the seeds only, taking a sample of perhaps ten seeds from each ear rather than the ear itself and then either count them out or weigh them so that equal amounts could be tested. This would make for more consistency and might give more measurable differences. This is always assuming that any

meaningful results can be obtained from the Kirlian method. This has not been convincingly demonstrated so far. This is something one has to accept. We are very conscious of the many variables and inconsistencies which will always be present.

Many thanks to Guy for once again giving up his precious time and space to the crop circle samples. If any measurable and repeatable results are ever established, his trail-blazing work will have been of great value in this field of research.



KIRLIAN PHOTOGRAPHY SAMPLES 1993

letter = sample label; number = Kirlian strength

	Control	Formation
Gipsy Lane	(A)3	(B)3
Etchilhampton	(B)4	(A)2
Wanbr'gh		(B)4 (A)5
Wanbr'gh (Eye)	(C)2	(B)2 *(A)3

*2nd control (standing crop in formation)

Shaw Farm (B)0 (A)0

(not shown)



The energy of a leaf: image captured by aura-photography (a process similar to Kirlian).

Photo: Wallace Binns

BUILDING BRIDGES:

THE UNICORN AND THE ROBOT

Paul Hailey

A lifetime of measuring

Last summer, Paul assisted the 'Relate' project at Alton Barnes, linking with it his own 'Morse' project, run from a van equipped with electromagnetic surveillance equipment and a multichannel recorder. He did record two unexplained effects, one of them on 20th July (see data list in last Circular) - time now corrected to 12.02 - but, commenting generally on the crop circle research scene, he says that more raw data [picked up by electronic equipment] are needed before theories are promoted about crop circle formation which assume "large amounts of localised energy . . ."

He says:-

"The whole field is a mystery, still. My idea is to go out and sit in my van until something happens, and measure it. This method will probably take at least a lifetime, but I feel it is the only way forward towards gaining data acceptable to the scientific community. Theories are mostly only theories, after all."

Paul also draws attention to the difference in communication methods (not just outlook) between 'scientists' and lay people: a technical report of about 90 pages, such as the official one on his project, would not be of interest or even comprehensible to the average 'Circular' reader, he feels, since it is mostly descriptive of methods and equipment, and, even if the results he obtained were 'mega' instead of meagre, the write-up would be essentially the same'.

But, he adds:

Actually, I am not a 'scientific robot': my leanings are towards being a mystic. At the present time I am holding myself to the scientific paradigm because that is a good research method, but of course when one is that precise one tends to get few results. The effort is the relevant thing: I'm trying to get raw 'data'.

Communication problems

For many centuries mystical teachings and experiences have been ignored by western scientists, as being irrelevant to their disciplines. The traditional scientist uses the 'Newtonian' model of reality, and mostly experiments with mass, length and time. Mystics have more freedom, as their understanding of reality is drawn from experi-

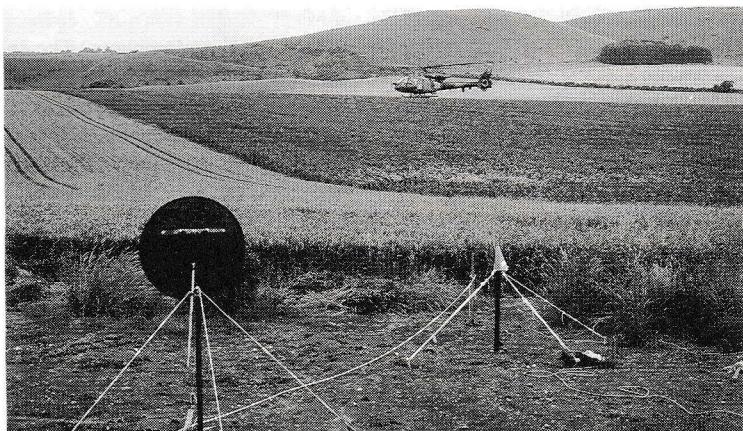
ences often acquired internally, and outside time and space. They tend to refer to their own experiences, through their interrelatedness with the universe, while scientists behave as observers, and rely on sensory information from 'external' events. The mystic makes statements which have meaning for him, but from a scientist's viewpoint lack good foundation. So 'mystical models' of the nature of the universe are sometimes flatly rejected by the scientist, as they may not be verifiable directly in scientific terms.

I suspect it is unusual to operate in both ways at once, though some people can oscillate from one to the other. So, because basic differences in habitual approaches may cause personal friction and pointless argument, we should be fully aware of our own favourite approach.

The bridge

An aid to healing the rifts can be to consider the paranormal, (telepathy, poltergeists, etc) where the 'impossible' can and does occur. There are well-documented events where either of the two approaches may be used in trying to understand the phenomena. Metaphysics implies all-embracing acceptance of these, but nowadays scientists also are allowing themselves freedom to study them. Gurus have been 'monitored'; physicists of repute have written on the similarities of the 'New Physics' to mystical ideas (ref i); enlightened scientists are working on remote viewing and telepathy (ref. ii); and, though there is still criticism from the entrenched 'old guard' of traditional science, for at least twenty years evidence has snowballed in public, that our universe is not that of a 'Newtonian' scientist, not a universe of isolated billiard balls moving, but more that of a 'looking glass universe', where the experimenter is part of the experiment (ref. iii)! Thus, a new scientific paradigm is forming. The bridge is at last beginning to be used, the paranormal is on it already, with a valuable contribution to scientific activity. The Unicorn and the Robot are beginning communication.

In his book, 'Mind over Matter', (1981)



Dual surveillance of East Field: Project Relate And Military Helicopter. Photo P. Hailey

Dr. Kit Pedlar, whose work on 'Doomwatch' and 'Dr. Who' is not forgotten, quotes Dr. Elizabeth Rauscher, a researcher into remote viewing in the USA, who remarks on the connection between some aspects of established physics and the paranormal:

"I personally think that [the paranormal] is something that will give us a handle on really understanding our interconnectedness with other people and with other things in the universe. I am talking about philosophy now and not physics".

Crop circles a meeting-point?

The bulk of paranormal research is in the USA and Russia, perhaps highlighting lack of interest in the U.K., though I do have a few books by British scientists, which were based on laboratory experiments (ref iv). Could this be why the crop circles are so evident in Britain: - to wake us up to the study of the paranormal?

From the 'famous' crop circle books, I expected to find answers by using evidence from the authors' researches, but the results are rarely written up in a manner which interests scientists. References to undetectable 'unknown forces'; 'static electricity' and flattened porcupines are common in the writings, while mystical writers are concerned more with 'channelling' and the meanings of the crop circle architecture, something I have yet to explore fully. Not surprisingly, given the nature of the events, suggestions as to the causes of crop circles are mostly conflicting or vague. The circles are not a new phenomenon, but we still do not have a good way of handling the results when gathered 'by consciousness'. In a scientific sense, we are not yet past the starting gate.

A new way of looking . . .

So we are at an evolutionary stage which could require close attention to the nature of our own consciousness. Paranormal events, including crop circles, seem to vector in on the quality of our consciousness, giving us a glimpse of the inner workings of our universe. Let us consider the other ways we might actually understand, rather than either the 'traditional scientific' or 'mystical'

approach, for we know that operating as an observer has limitations, if the event and the perceiver are not separate, and on the other hand, the knowledge acquired from an individual mystical experience is and not always accessible even to others using the same path.

... in groups

If the methods are proving inadequate, we have to produce ones that give results. I believe that better understanding can come through the use of group activities within crop circles. This is one way for a clear emergence of a 'consensus'. The origin of the intermittent effects on humans will be easier to determine from a number of individual experiences of the same conditions, in the same location. This was the probable way that 'natural scientists' worked, before 'observer science' parted company from mystical approaches. Were the ancient megalithic sites built originally because of their proximity to areas where 'paranormal' events already took place? I presume there was no 'observer science' in those times, only a wish to understand and perhaps 'grok' what was occurring. We can 'grok' again, but this time we can back our experiences up by using scientific methodology in a positive way, to order and compare the experiential results.

I would like to finish with an extract from a book by Tom Graves (vi), concerning megalithic sites, but applicable to crop circles:

"It is magic, in every sense, that our civilisation has lost, buried by the inadequacies of ignorant science and arrogant religion. And it is magic, in every sense, that our civilisation needs, if it is to regain its sanity, its joy, its reason for being. An awareness of the magic of the earth has much to offer us in this respect; as we have seen, that magical world view is of more value than those of science or religion when dealing with the whole of the reality of nature. Paganism can teach us a great deal about that magic, but we need to use it with care; civilisation has its flaws, but I've no wish to see a return to a civilisation run by half-crazed witch doctors instead of half-crazed politicians. We need to go beyond civilisation, beyond paganism, to something that combines the intellect of civilisation with the joy and magic of paganism. We need, in effect, to regain our collective wisdom as well as our collective sanity."

Refs:

- (i) David Bohm: Wholeness and the Implicate Order; (Routledge and Kegan Paul, 1980)
- Fritjoff Capra: The Tao of Physics; (Wildwood House, 1975)
- (ii) Targ and Puthoff: Mind-reach; (Jonathan Cape, 1977)
- (iii) J. P. Briggs & F. D. Peat: Looking Glass Universe; (Fontana 1984)
- (iv) J. Hasted: The Metal-Benders; (Routledge & Kegan Paul 1981)
- (v) Prof. John Taylor: Superminds; (Macmillan 1975)
- (vi) Tom Graves: Needles of Stone; (Turnstone 1978)

The Circular Volume 4 Number 4

A TEST ON THE PSYCHO-PHYSICAL CHANGES INVOKED WITHIN A CROP CIRCLE

Lucy Pringle

Sleep-inducing mandalas?

I decided to get in touch with Peter Staples and Isobel Maxwell-Cade after noticing that people were falling asleep in lectures when certain crop formation patterns appeared on the screen. (Being fairly new to and nervous about lecturing, this had alarmed me when it first started happening. Then, during the lunch break after a morning talk at Shere several people came up to me and said how annoyed they had been at falling asleep "at the most exciting part when you were showing the **complicated designs**". One young woman was in great distress. "I have never ever been to sleep in the morning before, but try as I might I simply could not keep my eyes open. I am fascinated by the subject. I don't understand how it could have happened."

It suddenly dawned on me what was happening:- many of the more complicated formations are shaped like mandalas. Originally used for the purpose of inducing a meditative state, these are not random structures. Clearly this was the effect being achieved! I reassured the sufferers that their subconscious would have registered all that I had said and in many cases was probably more able to accept and digest it than their conscious mind. Other people came up and discussed aspects of my talk and those who had supposedly been asleep at that time were all able to recall perfectly the areas under debate!

Many people also experience an 'altered state of consciousness' when in a crop formation; this reality seeming quite normal until they suddenly snap back into their 'everyday' awareness, rather as in a dream state which also seems quite normal at the time. Ralph Noyes describes his experience in the first triangle formation to appear in 1990 at Beckhampton. "I found myself addictively gripped by the 'Triangle'. I felt 'enchanted' or 'englamoured' in a manner which seems to resemble the experiences reported from folklore in which mortal man makes the mistake of engaging with the faery folk! The experience was, on the whole disturbing. I didn't like the 'addictive' feel".

I personally have experienced severe loss of time in crop formations, in excess of an hour on occasions.

I decided it was time to do something about

these reports and got in touch with Peter and Isobel who agreed to conduct the following experiment with three guinea pigs of my choosing, about whom they would know nothing until after the experiment.

Peter Staples' report

"A few weeks ago, I received a telephone call from Lucy Pringle asking if it would be possible to measure the changes which people experienced from being in a crop circle using our biofeedback instruments. Lucy knew that some people appeared to benefit from being in the circles and there is a distinct 'feel' to some circles which is not there in the surrounding field.

Isobel Maxwell-Cade and I teach biofeedback, which is an awareness training using biofeedback instruments to measure the changes in the body which accompany different emotional and cognitive states. A session was arranged for 25 July 1993.

We realised of course, that the conclusions of any simple experiment measuring peoples' responses in crop circles would at best be 'demonstrative' rather than 'proof' in strict scientific terms, since the latter would involve many hours of measurement with strict control of conditions, using different people and different crop circles and the like. I suggested to Lucy that she get three subjects and we would measure them at her home first to get a 'typical' reference for each and measure them again in the crop circle.

Measurements and what they can show

The use of the biofeedback instruments was pioneered by C. Maxwell-Cade (Isobel's husband who died eight years ago) and is described in his book "The Awakened Mind". Max and Isobel spent many hours observing subjects and recording their readings, including some of the renowned healers of the day and Eastern Yogis, with the aim of getting an understanding of the correlation between the measurements and psycho-physical states and responses which are behind the readings.

ESR and EEG

We used three measurements; Electrical Skin Resistance, or E.S.R., peripheral temperature and electrical brain rhythms, measured on a portable E.E.G. with a recorder.

Electrical Skin Resistance is measured from the palm and corresponds to the level of activity of the Autonomic Nervous System. The E.S.R. meter moves to the right with increasing arousal (sympathetic response) and to the left with relaxation (parasympathetic response). They are of course calibrated readings, so we can take absolute values.

Peripheral temperature is measured from a finger tip and changes with circulation to the extremity. Hands warming, indicates relaxation with attentiveness. Hands cooling indicates either tension or a shift towards a drowsy relaxation or sleep. The air temperature will also affect the hands, but by good fortune we chose a fairly warm, sunny day.

Our E.E.G. (Electro encephalogram) is the Mind Mirror, which takes the signal from both sides of the cortex and shows the level of activity on each side across fourteen sample frequencies, ranging from three-quarters of a cycle per second to thirty-eight cycles per second. So what you see on the display is a moving pattern of the spectrum on the two sides of the brain which shows how much of the higher, middle or lower frequencies, are appearing at that moment in time, which are recorded and perused later.

Mind-mirror

This spectrum has four sections known as beta, alpha, theta and delta, where beta has the highest frequencies and delta the lowest. The combination of the four types of activity distinguishes different states of awareness. The top part of the spectrum corresponds to activity which is fairly accessible to 'reflective' consciousness - that is, you can know you are doing it - and the lower part of the spectrum corresponds to activity which is generally below the level of reflective consciousness. For example; thinking in words and concepts as if you are explaining them, will produce beta. Peripheral awareness will produce alpha, dream imagery theta and 'preconscious' searching such as dowsing or searching your memory will produce delta. One criterion for 'higher' or more integrated states of consciousness is the simultaneous appearance of beta, alpha and theta activity, termed 'state 5' by Max Cade.

Location

This was at the crop circle known as Sompting No 1 Sussex (a Celtic Cross). The field was on a slope which gave a good view of the sea. There was a second formation in a neighbouring field, Sompting No 2, but there was suspicion that the latter had been altered by people trampling on it.

Our subjects were Paul Vigay, Margaret Randall and June Yates. After taking measurements at Lucy's house, we set up the equipment in the Celtic Cross formation, at points where the subjects were most comfortable. All measurements were taken with subjects sitting on chairs.

Findings: slower brain rhythms

Generally they all tended to produce more of the slower brain rhythms and less of the faster brain rhythms when in the crop circles. This can be interpreted as calming down and

becoming more at ease, with the mind shifting from attention more towards subconscious activity. June showed very balanced 'state 5' patterns after a few minutes in the circle, and commented she was very at ease simply sitting there and gazing out to sea. (She is a keen dinghy sailor!)

It is quite difficult to quantify the changes in brain pattern and you must realise that when you look at the Mind Mirror patterns, the patterns are changing all the time and it is not simply one you may need, you are looking at the movement of twenty eight different readings. So what we were doing was recording a session and then having a look and getting a general idea of what was showing and playing the next session and seeing how the two compare. The reductions we are talking about, say 40% on a reading of ten down to six in the higher frequencies, the beta and an equivalent increase in the slower frequencies, the theta. It is not as easy to make the comparisons as with a simple linear reading.

Margaret had been very tense in the neck and shoulders at Lucy's house which made it difficult to take the E.E.G. readings, because the milograph signals coming from the muscles at the neck and head were flooding the signal from the brain, which is attenuated as it comes through the skull.

We did not see this happening when we were in the crop circle. Margaret switched to a deep psychophysical trance state, by that I do not mean not a hypnotist 'lost to the world' trance: she was still aware of what was going on around but her body had obviously switched to a much calmer relaxed mode and this relaxation was very visible in her posture and the muscles in her upper back and neck. Her E.S.R. showed an enormous reduction activity of the nervous system, so switching from about one hundred kilohms to about 800 kilohms in the crop circle. The value in kilohms goes up as the activity in the nervous system goes down. Both Paul and June showed reduced nervous activity. At Lucy's, Paul's reading was sixty five kilohms and in the crop circle his reading was one hundred and sixty five kilohms, a change of between two and three times. June was reading about one hundred and eighty kilohms at Lucy's and about four hundred kilohms when we were in the crop circles. Margaret, when first measured at Lucy's, was reading about one hundred kilohms and it swung to about eight hundred kilohms in the crop circle - an 8-fold change.

To put these numbers into context, lets say a typical normal relaxed E.S.R. would be in the one to two kilohms range, two hundred kilohms to three hundred kilohms the subject would be nicely relaxed; if it is reading

a lot higher than that the question really is, is it a relaxed, aware and responsive state or is it switched off and lethargic? With Margaret it would seem to have been indicating the latter and it was quite difficult to get the needle on the dial to move up. June found it quite easy to move the needle, which showed her awareness and ability to respond.

I had the impression that all three of our subjects as the day went on (we were over two hours in the crop circles) were getting more relaxed and at ease and that was apparent in the physiology, the tone of voice etc and not simply what was showing on the instruments. Margaret's peripheral temperature dropped dramatically. It is as though she has two quite different neurological states, one quite active and the other very calm. It appeared that the latter had been triggered by being in the crop circle.

Conclusions

The measurements we took showed clearly that all three subjects were more relaxed and at ease in the crop fields than when measured indoors earlier the same day. This was most striking with Margaret, who, as well as showing a large swing on the E.S.R. meter, was overtly much more relaxed in her posture and in the muscles of the upper back, shoulders and neck.

It would be interesting to hear accounts from each of the participants and discover whether there were also longer term benefits. So treat this very much as a qualitative result - but we were measuring changes and seeing useful changes which were occurring when these subjects were in the crop circles. I would be rather reluctant to take the step of saying 'can we generalise that? Would other people do the same in a corn circle or would the same be true of these people every time they went into a crop circle? Clearly more measurements are needed.

Finally a few musings - so what is going on? What are we looking at? Is this perhaps some direct interaction between the land or the crop in the vicinity of the circle and is the human organism perhaps influencing in some way the electric field, or is it more of nature, mind to mind?

For example the imposition of a marked geometric shape, where you are not expecting it, and without satisfactory explanation of what intelligence had made its mark there, could itself obviously have an impact on the subconsciousness and bring about change in the body which we could measure. In the work that we do with the biofeedback we do use eastern techniques, for example Yantra Yoga has a series of techniques which are geared towards using mandalas to effect

a change in the mind and the state of physiology and well being as a focus of attention. Also the Tibetans use Tankas, painted pictures where the images are designed to take the subject into a changed state of consciousness. So perhaps we are seeing this in a typically western way, where the impression is made indelibly in the landscape and thus cannot possibly be disregarded as some figment of the mind."

The follow up

As suggested by Peter Staples, I asked the three volunteers to complete a questionnaire stating how they felt during the initial experiment at my house before entering the circles, how they felt whilst in the circles and how long the effect (if any) lasted.

Margaret Randall, who suffers from Reynauds Disease with the secondary condition of Systemic Sclerosis, states that she felt quite normal and relaxed during the tests at my house. Whilst in the circles she noticed a change in her mental state, i.e. "very much at peace", and also a change in her physical state, i.e. "on a high. Physically I didn't feel any better or worse, but I did feel very wide awake and energetic, which is unusual for me! This state lasted about ten days". I can vouch for this as I met her several days later and have never seen her in such an 'activated' state. This reaction is dramatically different to previous visits to formations in other years, when she has fallen soundly asleep almost immediately. Margaret also stated that whilst in the triangle of the second formation she "felt very uneasy, as though she was being 'watched'". She came out immediately. You will note that Margaret's change in both brain wave pattern and E.S.R. reading was most noticeable. I must add that for the first time, Margaret was placed in a Yin formation.

Paul Vigay reports that he felt quite normal at all times apart from feeling very headachy whilst in the small north-north-east satellite circle. "It seemed to last whilst I was in the circle and I felt as if my energy was being drained from the knees up. When I exited the circle, I felt normal after five to ten minutes".

June Yates tells us "At Lucy's house, the mind mirror was new to me, but I did manage to change my brain patterns to a limited extent. It was very much easier to get into alpha rhythms in the crop circle and relaxation with concentration was facilitated".

I must add that I also felt extremely ill in the small north-north-east satellite circle. It bordered onto a tramline and I had to walk at least twenty feet down the tramline away from the circle before the effect wore off. Each time I repeated this exercise, I had the same effect. However when Isobel went into

this circle for the first time she came out literally walking on air, she felt so incredibly well. After a while, I observed her returning to the circle for a repeat dose, but... within seconds she was out again, feeling 'as sick as a parrot'. Had her Yin energies been below par the first time she entered? Had they been topped up to the right level, thereby causing her to O.D. the second time around?

Very many thanks to both Peter Staples and Isobel Maxwell-Cade for conducting this experiment and for the generous use of their time, equipment and skills. They have most kindly agreed to repeat the tests next year.

Isobel worked with her late husband, C. Maxwell Cade, a pioneer in research into biofeedback and mind-body correlates of altered states of consciousness. With Nona Coxhead, he wrote 'The Awakened Mind'. Element 1979.

Peter Staples, a physics graduate, studied with Maxwell Cade and after his death, he and Isobel continued the research.

PROJECT ARK YORKSHIRE

John Holman

(Convenor: CCCS Yorks)

The Yorks and Humberside CCCS branch first discussed the idea of a circlemaker communications project at the branch meeting May 9th 1993. We agreed to meet again and those who by intuition (or other means) had ideas for a circle formation design and projected dates of circle occurrence, would relate these ideas to the rest of the group.

On May 12th I undertook some questions and answers via a pendulum. The results of this were that a 3-element design should be drawn up (a circle formation comprising three parts), and the dates 3rd and 4th were to be significant. I told Yorks member Sheila Anderson and Anthony Horn of this pendulum exercise on or about the 30th May. Sheila had also been doing some pendulum work and independently had arrived at similar results. The 3rd and 4th were significant and if we were to 'ask' the circlemakers for a crop formation, a design consisting of three parts was 'acceptable'.

On June 9th we had a branch meeting during which I discussed with the members my feelings about the communications project. My idea for a projected crop formation design, comprising a circle- a separate ring of the same diameter, with the ring containing a smaller centre circle - was generally thought to be acceptable. The dates 3rd and 4th were also mentioned, and since all previous for-

mations at Arkendale (the location for the project) had been formed around end of July/beginning of August, it was thought that the night 3rd-4th August should be chosen for one of the project night watches.

During these weeks, various branch members made trips to Arkendale, carrying with them thoughts about the communications project.

It was agreed that I would draw up the formations design in time for the next meeting, so that all the members could visualise the proportions of the formation. On June 19th I began a week in Wiltshire, helping out with the American BLT circle project and generally having a very good time - eating and sleeping circles 25 hours a day!

With me that week were Anthony Horn, Andrew Winn, my son Robin and his girlfriend Emily. We decided to spend Sunday the 20th working on the BLT project. Since discovering the 'fish' formation near Lockeridge I have felt an affinity with that general area and Shaw Farm was on the BLT list of 'usable' farms. We chose a field of barley, alongside the Alton Barnes to Lockeridge road, and spent all that Sunday afternoon mapping it with a magnetometer, walking every other tramline and the field perimeter. It was a hot day and by the time we had completed the task we were totally exhausted.

At one spot in this field I believe Anthony, Andrew and myself felt 'something' might occur. And I said out loud "This is a nice place for a circle." and I had in mind my 3-element Yorks. project design (circle-ring-small circle). Incidentally, Robin and Emily had chosen a less energetic path and were sitting it out on the field edge!

I returned to Yorkshire on the 27th June and on the 28th drew out the formation design as shown. This drawing is exact to scale with the original and reproduces the general design I had been thinking about since the June 9th meeting. I produced the drawing at a branch meeting on June 29th and it was accepted with one adjustment. Jim Lyons requested a change to the proportions of small circle to outer ring (to meet with certain ratio numbers he was working with). I prepared a new drawing to this specification.

Roughly two weeks after our Wiltshire week, Andrew phoned. he was quite excited. "Guess what - there is a formation in 'our' field" (Shaw Farm) "and it's bang on the spot we chose!" The CCCS listing has the date 3rd-4th July.

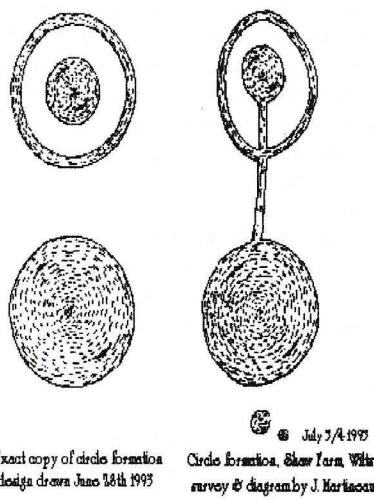
I returned to Wiltshire the last week in July and checked out the formation and immedi-

ately recognised that it was indeed positioned on 'our spot' in the field. It was in fact not very obvious from the road and I believe not overly visited. On entering the formation I recognised a certain resemblance to the 3-element design, although the circles had a connecting pathway. I was on a family holiday (funny how you can still end up in fields) and did not have my tape-measure with me. I paced out the formation and drew a rough sketch. I then sat for fifteen minutes in quiet contemplation - the circle felt very good.

Over the following weeks project 'Ark' was completed at Arkendale and much enjoyment was had by all. We did not get a formation at Arkendale, which had produced a circle for three consecutive years, but not 1993.

Jim Lyons got the numbers he was looking for, but in an unexpected way. [see December *Circular*]. These numbers had been incorporated into my second project Ark drawing, but the Shaw Farm formation appeared near in proportion to my original drawing, the proportions of which did not have any mathematical connection - the design was simply one that I felt looked right.

As is so much the way with circles, nothing is ever obvious. The group has reflected on the 1993 project and slowly over the winter months this pattern has taken shape. I had left my rough paste-out sketch of the Shaw Farm circle in my camera bag. The other week I came across it and I began to wonder how close it was to my original drawing. My main thoughts had been centred around the proportion of the small circle to the outer ring. I could not find my original 'Ark' drawing, but eventually I did after a complete tidy-up of my circle office! The paced-out sketch showed 5 paces for the diameter of the small circle and 12 paces for the outer ring diameter. My original 'Ark' drawing was in millimetres - 20mm small circle diameter, 49mm outer ring diameter. The proportions of Shaw Farm compared to my drawing were more or less exact! (paces x4 = mm.)



Exact copy of circle formation
design drawn June 18th 1993

Circle formation, Shaw Farm, Wilts
survey & diagram by J. Martineau

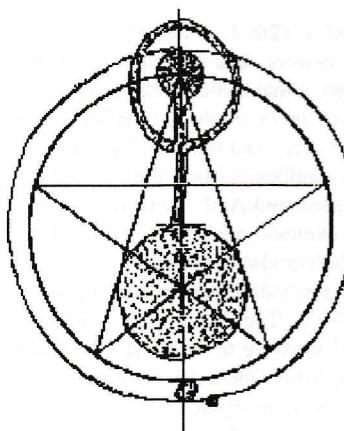
A survey and drawing from John Martineau shows the formation to be far from geometrically symmetrical. (coincidentally, the drawing supplied by John was almost exactly twice the size of my 'Ark' drawing so reducing it by half gave a direct comparison - see diagram).

I think had the Shaw Farm formation occurred at Arkendale, we could have called project 'Ark' a complete success. The similarity to the Ark drawing is very close. The formation is listed as occurring on the 3rd-4th July. We had the 3rd and 4th as significant dates (August was chosen from past Arkendale events). The formation occurred in a field we had chosen and spent time in and in a special part of that field, a place I had verbally acknowledged. *Do all these coincidences add up to communication?*

Footnotes

Colin Jackson, (CCCS Wilts. convenor) photographed the formation from the hill opposite. This shows a 'shadow' or repeat of the formation to one side of the actual one, as if the heads of the standing crop were bent to reproduce it again, nothing visible on ground inspection could account for this photographic effect. Paul Vigay did not enter the formation, but obtained an anomalous reading, I believe, on an electrostatic voltmeter at the edge of the road directly parallel to the formation.

Subsequent to writing the above report, Jim Lyons discovered the following 5-fold symmetry. It gets better and better!



Five-fold symmetry at Shaw Farm. J. Lyons

[This was the only formation during 1993 first reported to the Hotline by the farmer involved (Christopher Cutforth). He was amused that it had appeared subsequent to the departure of the German group who had intended to observe the field intensively! BDJ]

CIRCLES OF SYMMETRY

Jim Lyons
(Yorks CCCS)

Origins of Symmetry

It goes without saying that Crop Formations mean different things to different people. To some, their shapes signify simply pleasing patterns having geometric elegance combined with an undefinable artistic quality. To others, they embody a mystical element whose forms imply a significant relation to ancient ideas buried in the realms of mythology. Those observers demanding a more quantitative outlook, see their dimensions in terms of well established ratios of dimensions, themselves largely defined in the early mathematics of pre-Christian civilisations. Which approach is the correct one? The answer must surely be - all of them.

To help clarify this bold statement, it is necessary to identify a factor that embraces all aspects of the phenomena. Such an approach cannot be unique to Crop Circles since we are speaking in general terms about both nature and number. The topic I have in mind is that of Symmetry. A much used word in everyday conversation, it has more specific meaning when applied in a formal way to describing Nature.

The Nature of Symmetry

When we speak of things being symmetrical, it is implied that a mirror reflection of the object in question will produce the same image, i.e an exchange of left - to - right and vice versa. Alternatively, rotating certain objects of well defined shape through a given angle often produces an identical pattern. Examples of this are, firstly, a simple circle. It looks the same however you rotate it. More specific examples are the rotation of an equilateral triangle through 60 deg., a square through 90 deg. and a hexagon through 45 deg.

Shapes reflect forces

What, you might say, has this to do with Crop Circles? The answer is, quite a lot. For it is only within the last 50 years or so that the relevance of Symmetry in Nature has come to the fore, it now being recognised that this phenomenon identifies not only the shapes in Nature but also the underlying forces governing these shapes.

In one of his latest popular books on mathematics in Science - 'Fearful Symmetry - Is God a Geometer?', Professor Ian Stewart quotes Crop Circles as an example of almost perfect symmetry in Nature, though, like all good commentators, he declines to speculate on the origin of their formation. He does concede, however, that symmetry-breaking could well be involved. This is the theme we will pursue in more detail.

Bythorn Beauty

Having hinted at the fact that many shapes when rotated retain their initial form, it is possible now to be more precise in our description of symmetry. The equilateral triangle is said to have 3-fold symmetry, the square 4-fold symmetry, the hexagon 6-fold symmetry etc. The latter however is a mere doubling up on 3-fold symmetry and therefore can be said not to count as a unique symmetry group. There are of course many such doubling occurrences. In all of this, whatever has happened to 5-fold symmetry?

Golden five

It turns out that, in all of Nature, this is a most crucial degree of symmetry. Our well known schoolboy triangle so beloved by Pythagoras embeds not only sides of length 3 and 4 but, by his theorem, possesses a hypotenuse of length 5. Although this is not widely known, this triangle disguises the fact that the fundamental number of Nature, namely The Golden Ratio, recently exposed in all its glory in the *Circular*, is embedded within this triangle. The single shape that perhaps most clearly reveals this number and its associated symmetry is the five pointed star. Adopted as the badge of The Society of Pythagoras, as a mystical symbol, it is also still widely used today in such diverse areas as national flags and even the logos of multi-national companies such as Texaco!

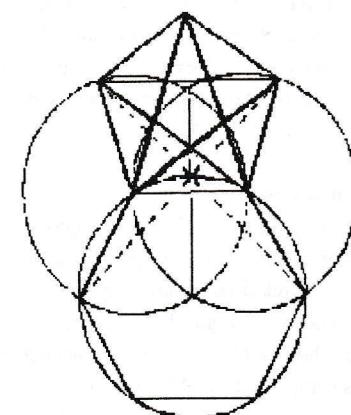
Among the many geometrical properties of Crop Circles eminently explored by John Martineau, he reminds us of the fact that this shape also very nearly fits the relative orbits of certain planets. This was first discovered, or certainly highlighted, by Johannes Kepler during his discoveries of the orbits of planets. Well before this, however, our neolithic forefathers had found its presence in Stone Circles and located their stones appropriately. Stonehenge is but one example. There are however many more.

Implicit becomes explicit

With all this background, it is perhaps not surprising that, eventually it had to appear explicitly in Crop Formations, despite its implicit presence in many earlier formations (as identified by John). The appearance at Bythorn of this shape, so well discussed in the last issue of the *Circular*, clearly indicates the basic form. As if we needed reminding, this shape embodies many times over the pre-eminence of The Golden Ratio in the evolution of Nature.

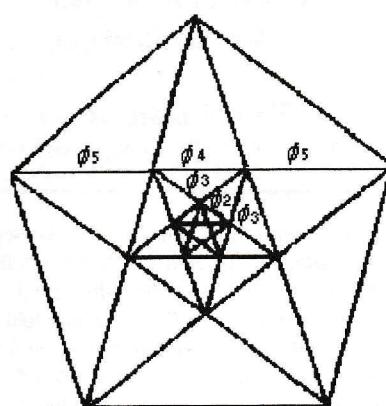
From plants to animals and humans, this ratio will simply *not go away* when it comes to comparing the relative dimensions of elements of various species. How all these symmetries we have described are linked is shown in **Figure 1**.

This shows how the five pointed star can be derived approximately from the ancient Vesica Pisces and also how it can be 'nested' to form a self similar figure so prevalent in Fractal Geometry.



(a)

**Derivation of a 5 pointed star
from a Vesica Pisces**



(b)

**Self Similarity of a 5 pointed star
φ - golden ratio**

Figure 1

Lights, Crosses and Vortices

Having once spotted that this 5-fold symmetrical star shape is ever present in 'obviously symmetrical' Stone and Crop Circles, the next question is - what about non-symmetrical pictograms? The answer seems to be that, if the earth's geo-magnetic field, rather than a garden roller, has anything to do with the cause of the formation, if you try hard enough you can find the hidden object. By way of example, if we take that other most impressive formation that occurred last year, namely at Charley Knoll, Loughborough, documented and reported by the East Midlands Group, [*this issue*] one can also find that ever-present shape. **Figure 2** shows how this can be done in this particular case. The centre of the star coincides with the centre of one of the circles and this becomes the vortex centre of the formation from the physics point of view.

Why five-fold geometry?

If this shape keeps turning up in formations, albeit in a somewhat clandestine form, why should it be there? These lines are really the nodal lines of vibration patterns in the earth and are the sort of thing that occurs when you vibrate a circular metal plate on which you sprinkle sand. Holding the plate fixed at angular separations of 360 degrees divided by 5 (i.e. 72 degrees) gives us this pattern. All this was well known in the 19th century.

While this might explain how patterns are made, it still does not answer the question - why 5-fold geometry? The answer here is that this is *the simplest degree of symmetry where the symmetry itself can be broken*.

If this concept of broken symmetry still appears somewhat of a mystery to you, think of this example. Imagine a tug of war between two closely matched teams. The ribbon you tie around the middle point of the rope to identify its centre and allow spectators to view the progress of each team usually moves around very little initially. This effect hides the fact that within the rope itself there is a lot of stored energy. However, if the rope were suddenly to snap or be cut near the centre, then this results as we all know in bodies spread-eagled over the ground. Not only has the geometrical symmetry been broken but, to answer Professor Stewart's point, the underlying force has also been revealed.

Dynamics of crop patterns

We have thus slowly drifted into a discussion not only of the basic geometry of the patterns

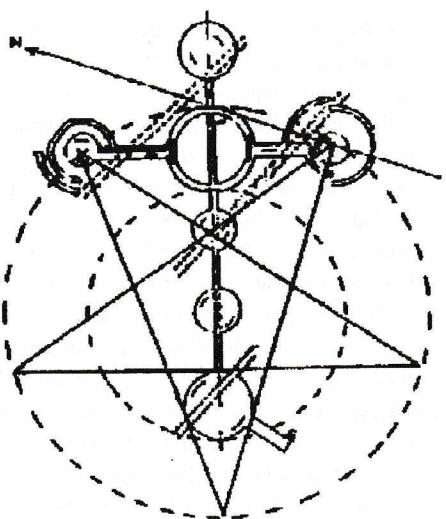


Figure 2
Charley Knoll, Loughborough

but also their underlying dynamics. So here we are again speculating on the force that flattens the crops. The last thing we wish to invent is some new force. This certainly would not go down well with the physicists! So what is left?

Subtle link of familiar forces

Ignoring those forces close to the hearts of particle physicists, we are left with those everyday forces we are all used to, namely electromagnetism and gravity. Both are crucial for life to exist. Although the link between them has been speculated upon for over 150 years (certainly since the days of Michael Faraday), the subtlety of their linking has yet to be clarified. For Crop Circles, the key word here is 'subtle', since these energies discussed in the context of healing and dowsing are certainly prevalent in the phenomenon.

Heretical truths

We thus find ourselves in a position like Galileo in the early 17th century where the church would not accept the clear scientific evidence for the existence of orbiting bodies around Jupiter, despite these being directly visible through a telescope. Apart from a handful of physicists, the clear manifestations of subtle energies are not yet part of the working practice of science. It is now the turn of scientists to look through the telescope to view these phenomena. The reason why they do not of course is that a few applecarts are likely to be overturned.

Evidence however is now beginning to suggest that *the force we are trying to identify is no other than a breaking of symmetry between these subtle energies*. As the condensing of steam to water is a well known symmetry breaking effect, so the change from the subtle state to the vortical motion of air provides a possible mechanism for the release of the

forces involved.

Release of subtle energy

Like particle physicists, we look for evidence of the energies' presence in the after effects of the breaking process. Besides the flattening of the crops, what other effects occur? Interference with electrical equipment, certainly, but also, sometimes, *lights*. In the case of Charley Knoll, there were indeed some excellent photographs taken by Ann Brocklehurst of balls of light floating above the formation.

As is usual in such cases, Ann did not know of their presence until the film was developed. As far as can be judged from the evidence available, these lights hovered above the centre of the five pointed star. Like the curled up tug-of-war men spread about the floor after the rope had broken, these lights sit peacefully in their most comfortable position, i.e. their lowest energy state, corresponding to the throat of the vortex of subtle energy generated in the symmetry-breaking process. This is just like the effect that aerodynamicists encounter when condensation of air occurs trapped in the vortices generated on high speed aircraft. The condensed vapour appears to float around the wings and fuselage but nevertheless moves with the aircraft.

Known forces?

If these tantalising insights are corroborated in due course, then it would appear that at least the Crop Circle makers are employing forces not unknown to man. Their subtle use and nature is however the result of that phenomena now so important in physics, namely that of Symmetry; but, more importantly, the breaking of it.

CHARLEY KNOLL FORMATION 1993

(nr. M1, Loughborough)

Tony Caldicott
(CCCS E. Midlands convenor)

This formation (see photograph p. 31 Sept. '93 Circular), 300 feet in length and 235 feet wide, appeared on the 7th July, 1993, in Charnwood Forest, a hilly area composed of ancient rocks and crossed by geological fault lines. The formation lay over one of the latter, and connected up with a number of ley lines. Dowsers Mike Newark and Charles Holderness, amongst others, detected very strong energies in the formation. Other pointers to its being 'genuine' were an associated UFO sighting by an airline pilot, compass and theodolite anomalies, dogs' reactions,

bending of stems at 55cm height, two small circles remote from tramlines, and certain coincidences noticed by our meditation study group. [see Karen Douglas's report - BD]

Arguments put forward in favour of the formation being hoaxed were, for one, the general prevalence of hoaxing this season. Then, some leading CCCS members believe that certain well-known hoaxers were seen near the formation. However, these suspects were only seen there *after* the formation appeared.

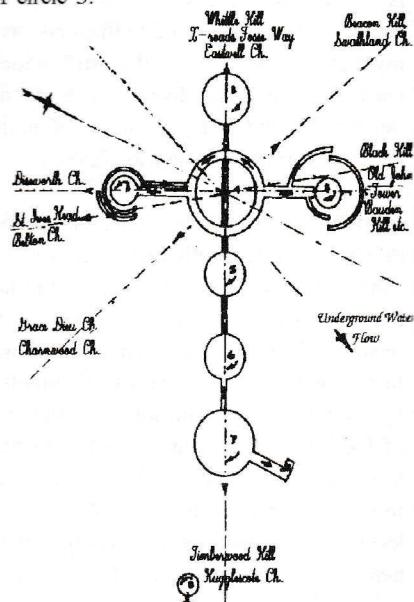
Extract from Dowsing Report: **CHARLEY KNOLL ALIGNMENTS**

Charles Holderness

There is a main ley line along the centre of the main axis of the formation, which lies 66 degrees of true North and passes through Timberwood Hill and Hugglescote Church to the S.W., and Whittle Hill to the crossroads of the A6006 with the A46 (Fosse Way, then on to Eastwell Church, to the N.E.)

The cross arm of the formation is on a line between Diseworth Church (N.N.W.) and Bawden Hill and Ulverscroft Priory to the SSE. [Further lines run to many other churches and ancient sites in the area].

The spur leading from circle 7 appears to be aligned N-S. There are energy spirals in all of the circles, with underground water from 20 degrees E. of N./W. of S. passing through the centre of circle 4. There is a lot of activity in the area around the pictogram. Bands of energy were picked up at about 2.5m apart for a distance of 26m, along the tramlines S. of circle 3.



Charles Holderness' - dowsing diagram

Returning to the site on two subsequent occasions, first with other dowsers and the second time with Sir George de Trafford, the idea emerged that the circles might resembled the chakra system. A suggestion was also made that the layout had been man-made in about 2,000BC, as a significant religious site, and that the pathways had been formed by burying a special reflective type of stone, also found at the Arbor Low Stone Circle (Derbyshire).

Michael Newark also wrote a detailed dowsing report on this formation. He too found several ley lines and also spider's web 'earth energy' lines, which he connects with 'genuine' crop circles. He found it 'Full of life and power: it must be the circle of the year if not the century' (this was before visiting Bythorn!). With regard to the hoaxing problem, he suggests using groups of dowsers around the country. 'And the last thing that's needed is to ask around "Has anyone done this crop circle, please?" If you bend over, someone will kick you, so don't give them the chance!'

CIRCLECAST 1993

Anthony Harding (CCCS West Midlands)

During the first few months of 1993, I conducted a crop formation prediction experiment, open to anyone in the West Midland CCCS branch, with the following simple guidelines:-

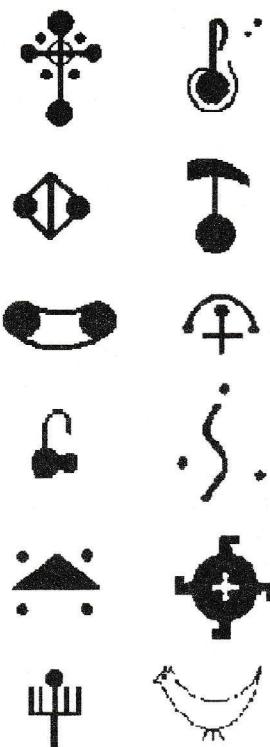
- 1) All entries had to be in before the start of the circle season.
- 2) All entries were to be sent to me, postmarked and sealed.
- 3) Predictions were divided into two categories:- National and Local (W. Midlands) formations.
- 4) As many predictions as one liked were allowed.
- 5) 'Genuine' and man-made formations were allowed.
- 6) All application forms had to give the name and address of the sender.
- 7) The envelopes containing the predictions were to be opened by Barbara Davies on the 18th September, 1993.

Results

How close did the participants get to predicting crop formations of 1993? Well, no-one predicted one exactly, but several participants got very close. This is best demonstrated in the top two designs.

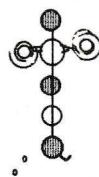
One seems to show the Charley Knoll formation near Loughborough, while the other is like a formation that appeared near Devizes in early June.

I have also included various other predictions. Did any of these appear?



Conclusion

It is impossible to gain any 'hard' evidence from projects like this - only 'soft' evidence. Personally, I have always kept an open mind on every aspect of crop circles and I find the results of this project interesting and positive enough to run a similar project this season. Apart from trying to gain positive results, it adds a lighthearted approach to research. Maybe other CCCS branches could run a similar project, or a centralized one could be undertaken.



THE PREDICTIONS

Barbara Davies

When I opened the envelopes, (still well and truly sealed and postmarked with dates from very early in the summer - typically May, or even April), at a well-attended meeting in Birmingham in September, I was really struck, having come fresh from compiling the illustrated data-list, by the familiar look of some of the shapes. The two beneath the 'Charley Knoll' one, taken together (which is how I first saw them) immediately recalled the Cheesefoot Head 'weighing machine', interpreted by Paul Vigay as a rotation in space and dimensions of the Barbury Castle design.



Whereas the one next to it, recalls, for me anyway, the unusual tapered arc feature of the 'Pluto' in East Field:



Halos (Nuneaton, Windmill Hill, 'S' or 'W' bends and Celtic crosses were another feature of summer 1993, and, of course, M25 triangles with grapeshot:



Jacquie Eldridge, by the way, actually described the 'Charley Knoll' cross on the hotline to me, and sent me a drawing of it, very early on. (I neither showed nor described this to anyone else). She had said that what she had drawn did not very well convey the design she 'dreamed', which involved a sense that it represented 8 solar system planets surrounding the earth.

No-one predicted anything like Bythorn, however - but then, Julian Richardson had already made a 5-pointed star formation in 1992 at Cranford. Was Bythorn a kind of response to the interest in 5-fold geometry (as notably pursued by John Martineau and now Jim Lyons - see article in this issue)?

And we haven't seen anything like the chicken, yet!

The fact that none of the above predictions were accurate as to place is consistent with other experiences - see John Holman's account of the 'Ark' project, for instance - of a kind of response, but always where it is not looked for. The whole West Midlands crop circle harvest was elsewhere! The phenomenon reminds me of a cat - try to entice it, it goes somewhere else, then, when you are thinking of something else, you find it has been sitting in your lap for several minutes!

W. MIDLANDS 'WINTER CIRCLE'?

A half-circle of flattened rough grasses beside the motorway not far from Birmingham airport, which appeared some time during the winter, has been inspected and reported by Anthony Harding, (West Midlands CCCS). It has been dowsed as 'not a hoax' - on the other hand, those who have seen it allow for the possibility that it could be accidentally or 'naturally' formed by e.g. a radar interference effect, traffic, or hot exhaust from one of the frequent low-flying aircraft. (A Cornish engineer told me of an event he witnessed a few years ago where some - dry - hay was lifted up, swirled and ignited, by the combined effect of a passing helicopter and plane. He helped to put the fires out, which left, he said, some neat rings in the field - so he believes that all crop circles are formed thus!) B.D.

COMMUNICATION? 1993 STUDY GROUP REPORT

Karen Douglas

When this group was first convened it went under the ridiculously long title 'CCCS East Midland study group into anomalous effects'. It is now just called the study group. As there have been up to seven members of the group, I hope they feel this is a faithful account of events, as this article is written from my point of view.

Begnings

I remember when I and Mark Haywood sat at my house one April evening waiting to see who would turn up to the first meeting, the most prevalent thought in my mind was - "was I really going to suggest meditating in the dark in a crop field as a legitimate line of research into crop circles? Was I mad!" but I also remember that this was taken quite matter-of-fact by most of those present.

The Idea

Our CCCS branch was only just beginning to get off the ground and I didn't know anyone that well apart from Mark who I had met during the previous summer in the crop circles that had appeared very near to both of our homes. I must admit I saw it as some weird sort of calling, to try and do something active with the circles instead of waiting each year to see what would turn up. I think I had reached a certain point in all this that gave me this very overwhelming feeling that I could no longer sit on my duff and do nothing.

Group Work

The group began by learning about various aspects of work with meditation and subtle energy fields. It was mostly new to most of us and if anything we've had a good laugh at the extent to which we were all willing to go to achieve our aims: communication with the circlemakers.

One night we all got together and began to meditate on possible shapes for circles that may appear that year. Everyone drew their impressions on paper and I kept them to wait and see what would happen.

The Crop Watch

The CCCS branch had decided to do a crop watch that summer to capture the elusive little devils at work, preferably on video tape. The study group were also going to take part and try to project the crop circle shape we had decided on and also to see if we could pick anything extra-sensory up in

the event of a circle turning up and more than that if there was means or opportunity to try some sort of tentative communication. We had a video camera and some single reflex cameras, one with an infra red film. The site we had picked for this little fiasco was Husbands Bosworth, where there had been a circle for the last four years. We had tried to be as logical in all this as we could and hedge our bets.

The first night came to a close, no circle - spirits had been high and even though some of the jokes had rapidly gone down hill after about 4 am, the bacon sandwiches cooked on a camping grill were very good.

The second night we were a little less well attended. The study group decided to move from being next to the field to a spot near some water, but still with a clear view of the field.

The Dirty Work

We began to settle down as best we could. It had become the standing joke that the East Midlands study group always ended up kissing the dirt, and that night was no exception, I dread to think what was under the ground sheet and if past experience was anything to go by I certainly didn't want to look. If there was one thing I learnt this year it was disconcerting to find I had a growing expertise in the droppings of various animals.

Anomalous Lights

Suddenly as I was sitting down ever so carefully, the other members of the group started shouting and pointing into the air: there were two white lights, one following the other.

Whatever the lights were they were travelling fairly steadily in the aura of the full moon. Some of us had the impression that the two lights were part of the same object, but during discussion afterwards it was clear that others felt the two were separate. There was no noise and one of the team said they had seen something drop from the two lights.

Re-Fuelling Exercise?

We theorised that this could have had something to do with a re-fuelling exercise, but, as one watch member rightly pointed out, this is only allowed over the water and not over land. The sighting remains a mystery, but it is interesting to note that I have quite a few subsequent reports of the same thing on the same date from all over the country. The rest of the night passed with the same bad jokes and the good grub, before tired and a little disappointed we all returned home.

Charley Knoll

On the 14th of July about ten or so days after the crop watch Mark rang to tell me

that there had been a massive pictogram near junction 22 of the M1 motorway. I thought he was having me on and when he suggested we go and look at it I thought I'd call his bluff and say yes. "We didn't have massive pictograms in the East Midlands".

The first sight of the formation we got was from the motorway, I could hardly believe what I was seeing: it was fabulous. We got permission to enter it to have a look - it was massive. We still had the walkie talkies from the crop watch in the car so we used them to communicate with each other as we inspected the various parts of the formation.

Meanings and Implications?

It wasn't until a few days later that I began to think about what all this meant: the crop watch had failed and our projected shape hadn't turned up, but here was this huge crucifix formation. I sat going over the study group file in which I had kept a record of all our meetings and I came across the notes for the meditation we had done on projected shapes. When I began to go through all the drawings I began to realise that just about all of them were included in the Charley Knoll formation. Call it coincidence or what ever you like but it took me a little by surprise.

The 'Alison' Line

I don't recall if it was the same day or soon after that one of our members came up with a map and showed us that if we drew a line connecting the original mediation site and Husbands Bosworth, Charley Knoll fell on the centre of that line directly between the two. It was nicknamed the Alison line after its founder, and interestingly enough if you extend it down the country it goes through both Burgess Hill and Lewes, homes of Barry Reynolds and Andy Thomas of the Sussex branch.

Other Coincidences?

As we looked, other little things started to come up: the date - it had been the 7th day of the 7th month when it had first appeared; the formation had seven main circles not including the two grapeshot circles and at the time of the meditation and the crop watch there had been seven members of the study group.

There were other things that would take too much time to go into now (Mark Haywood saw a link between the formation and the constellation of Cygnus).

But I'm still asking myself what does all this mean? And the biggest question of all is:

Does it warrant a reply?

STAR FIELDS

**Joachim Koch and
Hans-Juergen Kyborg**

In an accompanying letter to this article, the authors say that it is a response to the request for a few more details about their discoveries, after their previous article, 'Hope', (Dec. issue). They add that though they had decided to stay in the background to avoid getting involved in the hoaxing controversy 'We now have come to the conclusion that it is necessary to make some positive efforts to overcome the attacks of the restless opposition within and without the crop circle scene'.

We are well aware that the crop circle magazines probably receive letters with new theories about the circles every day, because it is one of the features of the Phenomenon to attract people's minds. Most of the theories about numbers, music, meteorology, chemistry, old sacred symbols, mandalas etc. are known. We are telling you the following events - which really happened - not to put ourselves in the foreground with a new 'theory'. We tell you only because you should know about them. For more than three years now we have kept our experiences to ourselves and been reluctant to tell anybody except our closest friends, because we weren't sure about the right time - in fact, we knew that it wasn't the right time so far. Now it is.

From investigations of the UFO phenomenon (we are members of MUFON-Central European Section) we know very well how people and organisations can be influenced by 'special intelligence' to maintain cover-up stories or to deal with so-called 'dangerous developments' in public awareness. At the present state of imbalance of power on Planet Earth the most dangerous thing to those who maintain this imbalance for their own benefit - politically and religiously - is the awakening of consciousness of people that *humankind is not alone in the universe!*

Steadfast with a smile

We think it is best for the moment to *stay steadfast that there is a genuine Phenomenon* and to focus all efforts to strike back to the opposition in a positive way - with a smile. The two pensioners are not important, because they cannot cover-up what was not invented by them but by others from far away. John McNish may produce videos as he likes to and may believe (does he really?) that all circles are hoaxed: - *we have at least one that is genuine*, not known to him, given to you and us by the Phenomenon in 1991.

Twelve design principles

We worked for more than one and a half years to develop an explanation of the meaning of the circles. We analysed them chronologically and in this way it became clear that there was a development in it. By the end, in spring 1991, we had elaborated several universally applicable principles - twelve in fact - which we could use to explain component parts of the circles and formations. The parts all together form the meaning of the whole formation. It is just like learning something new: first, something is explained in detail and repeated several times (sometimes unintentionally by 'hoaxers'). Then, when your 'teacher' thinks you should have got it, an abbreviation is introduced and used in the following 'chapters' while other new things are explained in depth to become abbreviations later, too, and so on. It would be possible to evolve parts of the big pictograms into their meaning graphically, but then the formations would become at least double in size, more complicated and unclear for the unaided viewer.

These principles which we found helped to avoid confusion: a genuine formation seems to be in balance in every respect.

Communication design

With the help of these principles we were able to outline a pictogram (of about 30 meters in length) using no new symbols but the ones given to us: circles, rings, rectangles and pathways. Most important was the discovery of a symbol for Planet Earth, the third planet in this solar system, counting outwards. It was a small symbol beside the big ones in 1990 and showed a third planet with its single moon. When we say 'third' we mean the third orbit because the often seen attachments that resemble numbers (some have named them 'God's fingers') are in fact the abbreviations for orbits. From this day on we used this symbol as our 'call sign'.

In our first experimental formation we emphasized the third orbit by making it a bit wider and longer than the other two and added a small moon to show the Phenomenon that we had understood. All in all, it comprised the following: "Hello, here we are. Are you coming from the star system of Alpha Centauri that is four light-years away? Are there four planets around your sun in this double star system? Which is your planetary orbit?"

We chose 'four light years' because it was easier for us to express it in binary code. In fact, Alpha Centauri is a double star system, where the components are about 4.3 light-years away. Together with another associated component, Proxima Centauri, they are the very next suns to ours.

With all this in mind we travelled in 1991 to Wiltshire. Before we started from Germany we said several times to ourselves: if there was only one single and even tiny circle in the vicinity of our experimental formation, just a small circle to show 'their' attention, just to say "Boys, ok, we see what you are doing", then we would be the happiest souls on Planet Earth.

Of course, it nearly is impossible to describe events in the fields without mentioning one's thoughts and emotions, but then this article would become a book if we included all what happened so far throughout the years. So we would like to focus on July 1991.

After our first night in Windmill House, north of Avebury, a place we love and feel 'at home' in, we were able to visit some genuine circles the next morning, that had appeared that very night on Maizey Farm. This was July 11th. There were many rumours of strange sightings of lights in the Alton Barnes area around these days. On July 12th, we (and our thoughts) had been on the site the farmer had chosen for us. Nothing unusual came to our attention.

Question and answer. . ?

On July 13th, at 1:00 p.m., we started our experiment. We finished our 'question' five hours of hard work later. We were often visited by very low-flying air force helicopters.

When we lifted our heads after we had finished our 'question' we discovered a single circle four hundred meters away that we hadn't seen before. Had what we didn't dare to believe in our wildest dreams come true, so easily?

We immediately drove to the farm house to tell the news. They all were astonished because nobody had heard of this circle. On the afternoon of the next day, July 14th, we went out with the farmer's family to watch the small circle and then to our experimental formation. In the evening of the same day we stayed in the field until 3:00 am. Like so many others, before and after, we tried to catch a glimpse of some cosmic vibration. Nobody else was out there, only we and our thoughts. Of course, we saw many lights, some bright, some coloured, some dim but - as experienced amateur astronomers and UFO investigators - we could identify them all as aeroplanes, cars, satellites, trains, signals etc.

On July 15th, we thought of comparing a video we had taken before we started our experiment with the one we took afterwards. We found that the circle was already there before we started! But a farm worker who was nearby in the early evening of July 12th.

was absolutely sure that there was no circle in the field as long as he was out there. So it must have appeared in the night - July 12th to July 13th.

The next day, July 16th, was when the small circle above our experimental formation was to be investigated early in the morning by a team of experienced researchers: two ladies and a gentlemen, a professional pilot. We and the farmer's wife attended the investigation. Later a young man, also well known, joined the group. Very soon the circle was identified as genuine. It really looked beautiful because of its strange inner pattern: spiralled at the edge, then like rays coming out of the middle where in the centre the stems were laid down in a straight bunch. And most extraordinary, the central lay of stems pointed in the direction of an energy line found by the pilot with his rods. And the direction was just down the valley towards our experimental formation. We had no knowledge of this line until this moment. He looked at us briefly with a mixture of scepticism and astonishment. And we stood there as little children and didn't know if we should cry or laugh.

The farmer's wife reminded us of her timetable and so we had to drive back. We arrived at the farm house at 9.30 a.m., looked at some pictures the pilot had taken, and then we were invited for a cup of coffee by the farmer's wife. A few minutes later we sat around the table in the kitchen: on the left of the table Joachim, on the other side in front of him one of the ladies. Left of Joachim was Hans, left of Hans the farmer's wife at the coffee machine on the stove. To the right of her stood the pilot with his back leaning against the stove, a small window behind him. We all were talking. Joachim remembers that during the conversation one moment he was looking down to the table on some photographs in front of him with a picture of the circle of August 12, 1989, the 'Swastika', on top of the stack of pictures, then Hans pushed his arm and cried: 'What was this??' Just the second before the whole room was filled with a bright white light so that nobody could see each other!! All had seen this flashlight-like light - except Joachim. The farmer's wife had put her arms around her little daughter protectively. For a moment there was silence and in all faces was astonishment. Then the farmer's wife rushed outside the house to see if there was something - nothing. The other lady of the investigation team was still outside the house when the light appeared inside and she confirmed that nothing unusual was to be seen: no flashlights, no reflections of sunlight, no passing car or aeroplane. Outside everything was quiet and peaceful.

For all of us it was hard to maintain our composure. Later the pilot said that he had a similar experience in 1985 when he began his crop circle investigations. He said that he had a feeling as if being photographed, scanned or examined.

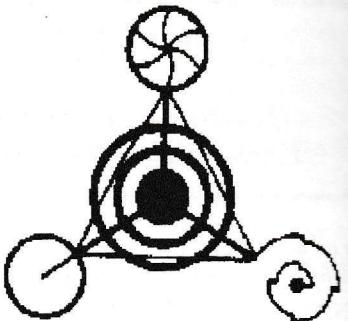
The following night the pictograms of Temple Farm and Barbury Castle appeared. These were the only and the first ones in this area since those at Maizey Farm on July 11th - except the small one above our 'question'. And they were *the first ones in line in this area after we had put down our 'question'* in this remote field near Alton Barnes. We arrived at Temple Farm about noon on July 17th. What we saw there made us lose our composure.



One half of this beautiful and big pictogram was a more than clear, exact and detailed confirmation that the circles show what we had worked out - stars and planets - and that the principles we used were almost correct. It was the inverted symbol for a star with a big orbital plane. Within the orbital plane a planet was travelling in orbit three, a planet that has one moon. So 'they' gave us back our solar system with all graphic extensions that are possible, just to show that our thoughts were right. The other half was an answer to our question about 'their' star system: *no double star system but a single star with two planets, one of them important*. The star is a bit smaller than our Sun but of the same type. Not directly answered was our question about *where* this star and planetary system could be found, but indirectly it was shown that it was not the one we proposed (Alpha Centauri).

On July 18th, we went inside the Barbury Castle formation. The pilot was already at work with his pole and camera. What we saw inside the field of Farmer White made us all excited. The first thing we recognised was this spiral to the bottom right of the formation. It immediately reminded us of a *spiral galaxy* - again an astronomical symbol! We jumped around and danced and cried and the pilot said: 'Slow down - don't lose the ground beneath your feet!' This was wise advice and we accepted it.

It took us until October (still at home) to find out what the meaning of Barbury Castle was. We could apply our twelve principles to explain parts of it but there remained some hard nuts to crack - and, to top it all, everything in the pictogram was connected with everything else.



Barbury Castle star map

The pictogram itself is just like a guide or a map. With the help of each individual component of this pictogram we found a star, located at a very special place in the sky. This star, a member of the constellation Orion, is to be found just inside the centre of a *celestial circle*, the '**Winter Circle**' (or '**Winter Hexagon**') that comprises: Canis Major and Sirius, Canis Minor and Procyon, Gemini and Pollux, Auriga and Capella, Taurus with Aldebaran and Orion with Rigel. When Sirius is above the horizon this huge alignment covers a major part of the sky. Many of these constellations and stars are mentioned in the earliest myths of mankind, are engraved in the old stones and had been the reason to build circles and wheels to measure their positions.

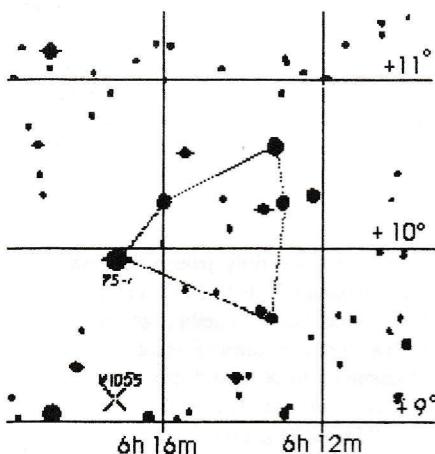
A sun like ours

The star we found is *a bit smaller than our Sun but of the same type, just as was hinted on Temple Farm*: it can support life on its planets, of which there must be two, at least, as was shown on Temple Farm and in the Barbury Castle pictogram by two orbits around the central star. This beautiful yellow sun travels through space 57.13 light-years away from Earth, which means *it is a close neighbour* to our central star and it has rank 97 of the closest G-type stars. Its visible magnitude is 6.54 and you easily can see it with binoculars. In the past, when the atmosphere was not so poisoned with dust, chemical particles and light from our cities, our ancestors might have seen this dim point of light with the naked eye. Its coordinates are: RA 6h13m12.6s and DEC +10°37'39". It is as yet not named by humans, but it has a number: **HD 42807**.

As if it was not enough that the Barbury Castle pictogram had led us to the centre of the Winter Circle to find not just any star but a most promising candidate for extra-terrestrial life, we also detected to our amazement that our star is the top feature in a star-pattern that strongly resembles the triangle of Barbury Castle. Now we had no more doubt that all this not could have been mere coincidence. Like a mirror, the pictogram has its counterpart in the sky.

Daytime stars

All who have been inside this pictogram remember that two of the lines forming the triangle were slightly bent. The kinks in the two lines are at different places. The whole pictogram seems to be a bit crooked. In our cosmic neighbourhood, in the celestial triangle, there are stars just at the place where the kinks are in the pictogram. And this triangle, unknown to us at that time, was high above us but invisible at daylight while we created our experiment. In fact, it guides the whole circle season by day and then shows its splendour to us in the cold winter nights. The celestial triangle is tilted from the north by a special angle: - about 19.5°.



(Detail from starmap supplied by authors)

A special star

With the help of the circles we have found a special star, a wonderful yellow sun that spreads its warm light in the environment where at least two planets travel in their orbits. After another two years of work with the Phenomenon in the corn fields of Wiltshire we today know that we all had to find this star, even if it was only to test how far we would come. It is on top of the pictogram and it is on top of the triangle in the sky; perhaps it was the top of all the circles.

There are rumours that more than one civilisation is interested in Planet Earth. When you take the beauty of the genuine circles as a mirror of their creators, then the civilisation that formed them must be 'positive'. We are not sure if the star we found really is their 'home' or only a base in our vicinity but one thing is clear - it is important!

When we left England in July 1991 two abbreviated replications of Temple Farm appeared in the area where we had been so often the weeks before, one in Alton Priors (July 19) and one in West Kennett (July 26). Then the 'dolphin' pictograms appeared. Applying our principles to these, they emphasize the principle of very 'strong connection' between two suns, planetary systems or - beings: - yes, contact achieved.

We must stress that we don't think the Phenomenon needs the circles to communicate with humans. 'They' surely could use other tools than circles in wheat fields if the only intention is to talk with us. The circles are here to help us in a gentle way to reorientate ourselves back to our natural environment on this planet and in space, to open our eyes to look around who and where we are. They are a challenge to our spirit, a reminder that there is a larger reality than the one we are used to live in. And if we accept this, we help the Phenomenon to reach us. This is the way we all can bring things back to balance and to help to evolve Planet Earth to a better future.

race. No greater risk than climbing a mountain, we thought, and perhaps less of a risk than walking in some of our cities!

Generally speaking, we all shared a belief that the greater universe (or multiverse) was intelligent in a way that spiritual and religious peoples knew about, but reductionist scientists didn't see. The history of UFO interactions seemed to be slanted towards fear-based reactions, victimization and unwilling participation. Our experiences have shown us that a positive, egalitarian diplomatic approach would give us a positive contact with spiritual content. We chose to take the high road... we all knew that the advanced technology and exotic hardware would be off limits, so we did not seek this. Although we did seek communication with the beings - as to what level it would come - we were uncertain, but faithful that we would benefit from it.

A CSETI FIELD TRIP ENGLAND July 1993 EXCERPTS FROM NOTES

Ron Russell

I went to southern England in the middle of July 1993 to join my friends in CSETI (Centre for the Study of Extraterrestrial Intelligence) on a research project. Our intention was to contact extra-terrestrial or non-human intelligence using the advanced methods and protocol developed by Dr. Steven Greer, the founder of CSETI. We had trained extensively in this methodology, which includes non-fear reactions and conscious awareness in the face of the unknown. It is CSETI's intentions to practice diplomatic and wise behaviors towards all ETI (Extraterrestrial Intelligence). Unless there was some compelling reason to act otherwise, we would behave with compassion, non-hostility, and non-acquisitiveness.

We were going out to greet unknown beings, and we had to be on our best behavior. Our experience has shown us that conscious contact would be unlikely if we generated negative emotions, either within the group itself or towards the ETI. That is why our CSETI training periods have been so extensive and valuable; we had to bond as a team and work cohesively together as if our lives depended on each other. There was no space for personal emotional problems or hidden agendas. This was ultra-reality we were inviting and we had to be positive and emotionally collected. The generation of fear as a response to highly strange events had proved very self-defeating in the past. We were not victims and we were not going to be abducted against our will - indeed we sought the contact intentionally, fully realizing the risk involved. We were courting danger, but with the inner confidence in the overall benevolence and grace of the universe and our skills as representatives of the human

In 1992, on a similar CSETI field trip to England, a group of us under the guidance of Dr. Greer, meditated and visualized a triangular shape with circles at each apex. We were asking the Circlemakers to communicate with us and make a crop formation in this shape. No word of our little experiment leaked outside of the group. The next morning, the very shape we had visualized was found in a field of wheat near Devizes in Wiltshire, just five miles from where we had been sitting, so we knew for certain that communication was possible. Someone could hear our coherent meditations and replied by giving us what we had asked for. I thought that the implications of this were staggering. We all did. If this kind of communication was possible, what other avenues of approach could we try? While we forswore the taking of souvenirs, we could take back ideas and memories of our experiences. We might even be able to ask intelligent questions and bring back answers to some of our problems here on Earth.

So it was in this spirit that we met again in England in 1993. Here then are some excerpts from my field notes taken from my micro cassette recorder transcribed and reconstructed from memory where necessary. It also helps to paint a picture of the ongoing research of all CSETI teams in their efforts to fine-tune the methodology and contact ETI.

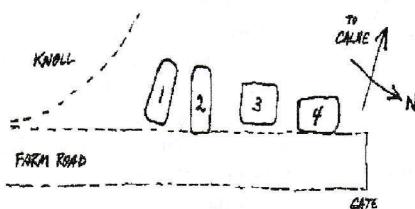
Anomalous Tones

July 26. We are at the Furze Knoll site near Calne in Wiltshire. There are 13 of us tonight. This is a rather remote and secure place with a panoramic view from its hill top location. Tonight we have invited a small SKY TV crew along so that they could secure some authentic footage of our protocols and practices for a TV documen-

tary program. The presence of untrained and unknown people is always disrupting to the group so we chose to merely act out our practice for their benefit. We believe strongly in public education so we felt that this was the correct action to take. . . the SKY TV program would reach three hundred million people. . .

We had rather poor British summer weather this night, with strong winds and a cold drizzle intermittent, so the TV crew left us soon after they had secured enough footage of our group and its activities. We then split into two groups, of six and seven members each. The first group of six was given the favored spot by the knoll which was sheltered from the wind. Our group went about 100 yards to the North where we had a slightly different view and a lot more wind. We communicated between groups by use of walkie-talkies radios.

By 2am the weather turned even more unpleasant with high winds and threats of rain. Dr. Greer said we should retreat to our cars and do a C.T.S. meditation from there (C.T.S. - or 'Coherent thought sequencing' - is a self guided type of meditation developed by Dr. Greer).



Dr. Greer was in car #1, Sharon Adamik and I were in car #2, John and Maria Ward were in car #3, and Tom Beck and Elizabeth Vann were in car #4 (see drawing). The rest of the team just 100 yards away reported that they were not suffering the wind and drizzle like we were. We thought that a bit strange: our weather was terrible. Steven (Greer) then called over to me from his car to play the cassette of the tones which had been recorded by Colin Andrews while inside the crop circles of previous years. Colin had given us this recording in hopes that it would help to somehow link us with the circle-makers. We all believed that the tones were anomalous and probably of other-worldly origin. We all enjoyed using the tape during our C.T.S.'s. I placed the tape in a portable player and reached through the sun roof and set it on the roof of the car so that everyone could hear. The rain had stopped but the wind continued.

Audible Answer

We all were silent during our meditation. The tape played for thirty minutes and then the machine clicked off. I reached up and retrieved the player from the car top and closed the sun roof. I then became aware that

the tones had not ceased. I thought at first that I was hearing an echo inside my head. "Do you still hear the tones?" I asked Sharon. "I certainly do," she replied. I proceeded to remove the cassette from the machine and again we confirmed that the tones were still continuing. "This is amazing!" Sharon said, and opened her window to call over to Steven. He replied that he was still hearing the tones too. "Well," she continued, "That is very interesting, Steven, because the machine's stopped and Ron just took the tape out. In fact he's holding it in his hands right now!" Steven then mentioned that although he could still hear the tones, they sounded very faint. Sharon got out of the car and approached John and Maria Ward, asking if they were hearing anything. Both Wards replied that yes, they could hear the tones. Sharon then approached Elizabeth's car. She reported that she still heard the tones, but Tom said that he did not.

I got out of the car and attempted to record these anomalous tones on the micro-cassette recorder. Maybe we were all having some audio hallucination, I reasoned, since Tom, who is a pragmatic Ph.D. candidate, wasn't hearing anything at all. But my recorder did record the tones although the fidelity was very poor. (We later took the cassette to a sound lab, had it processed, and indeed found the tones recorded there under the hiss. Our conclusion was that what we were hearing once the original tape had stopped wasn't a hallucination, but quite real).

I felt a growing excitement and I was becoming very awake. With my heightened sense of awareness I tried to track the source of the sound but was unable to tell exactly where it originated from. It seemed to be omni-directional and of the same clarity no matter which direction I turned. Then I began to listen with consciousness rather than just hearing the sound. I noticed that the tones were very similar in pitch to what we had played on the machine but not quite the same - the new tones were more 'pure' and of a higher fidelity than the recorded version. They possessed a clarity that penetrated deeply into my being even though they were soft - they reminded me of the notes one can produce when stroking the edge of a crystal goblet. Consistently the tones were about half octave apart, and repetitive, a bit like the tempo of an English Ambulance. Occasionally I put my finger to my ear thinking, "This must be from inside my head". I wondered if some unfamiliar technology was being used to make this sound. Maybe this wasn't shock waves moving through the air that we were hearing, but something that affected the hearing centers in our brains in another way. . .

It was still quite windy and the wind noise was louder than the tones, yet the tones

never wavered in volume or clarity and were always easy to hear. After about thirty minutes they faded and ceased.

We had radioed to the other group to enquire if any of them had heard the anomalous tones. They answered affirmatively: several of them had been aware of the continuing sound. What was going on? We were all asking ourselves and each other. Finally our group disbanded at about 3.30am. to rest.

This event seems to have several important considerations. Firstly, the duration in time of the anomalous tones evidently paralleled the length of the played tones from the cassette. Secondly, the tonal quality and pitch of the anomalous sounds was very similar to certain sections of Colin's recording, which had been slowed down in the lab. This led us to the conclusion that the anomalous tones were in *response* to our played tones. Evidently we were being communicated with.

I felt it wonderfully ironic that while we were making efforts to effect a contact of the visual kind, some "intelligence" had replied with a contact of the audio kind. No shortage of cosmic humor here, I thought.

. . . *"There is a continuous and pervasive smile of love and understanding from the cosmic mind that colored this experience for me, and which has persisted for many months as an overlay in my daily life. . . "* More of Ron Russell's experiences in the 1993 circle season will be recounted in the next Circular.

Ron, who generously donates many of the fine photographs you see in the Circular, is interested in acquiring prints of beautiful and/or anomalous shots, for a book on the Artfulness of the formations. Some of the profit would be donated to CCCS. His address is: Box 4307 Denver CO 80204 USA Tel/fax 303-298-9114

THE FREE ACCESS / WHEELCHAIR FORMATION

ilyes

It had been my wish to spend my last night before flying back to the States on (please, just one more!) crop watch. Busty graciously humored my request, so on the cold night of August 12/13 he, Peter Sorenson and I reclaimed our lookout position on Knapp Hill for a final watch. Peter bravely hauled my camping gear from the boot and made himself a pallet on the ground in front of the car, while Busty and I opted to stay warm and

comfortable inside. Above us, the exquisitely clear sky showed off billions of stars and a brilliant crescent moon. Frequent streaks of light punctuated the watch as the Perseid meteor shower continued for its fourth night. Below us sprawled The East Field - a giant golden blackboard awaiting the Magic of the CircleMakers - unmarked save for two small Formations. I was content, and expectant.

Busty shut the engine off, and as is his wont, promptly dozed off ("I wuzn't sleepin'!"); I admit to occasionally doing the same. As dawn broke and I stood scanning the Field below in the pale light, my expectancy turned to disappointment as I realized that the CircleMakers, certainly aware that the Field was being 'watched over', had not transmitted any new Gifts during the night. I could also see that Ron Jones had joined us at some point. Since Busty had an early-morning errand to run and we were staying with Ron, Peter and I climbed into Ron's car to head home. We took a scenic route, past the Waggon and Horses.

As I approached The Hill of Silbury for my last time that year, I looked with melancholy at the now old Ringed Circle with its curious radial splay in the field across from The Hill, tearfully aware that my Gift-laden CropCircle Journey of '93 would soon be over: in 4 hours, I would be on a plane headed for the States.

As my eyes took in the Ringed Formation for the last time, I noticed a shadow in the field to the old Formation's left. "What's that?" I asked Peter tentatively, not yet daring to believe my eyes. "That wasn't there yesterday!" he responded cautiously. Joy surged through my every cell as I realized that we had, indeed, received a Gift during the night - only it hadn't arrived in the field in which we were expecting it!

We pulled in at the Long Barrow car park and quickly counted tramlines to determine our entrance point. As we entered the field of wheat, the dawn fog lay heavy in the valley; the early sun's rays had turned the field the color of burnished copper. Our breaths condensed in front of us as we hurried excitedly down the tramline, passing the Ringed Circle on our right.

Suddenly, we were there. A brand-new major Formation lay before us, pristine, crisp, and glistening in the early light. I held my breath, hardly daring to believe this was really happening. As my heart pounded, Peter and I held hands, and for the second time in two weeks counted to three and stepped into a virgin Formation together.

Peter wants me to mention the many 'magically standing' stalks we discovered inside

the Formation, and to describe the swirl of the crop within the 'wheel'. We were, indeed, delighted when we'd noticed the way the counterclockwise fluid-like flow within the 'wheel' had been directed toward its inner corner, where it terminated at the 4 o'clock position; many bunches of wind-bundled wheat had been gently piled one of top of the other, rising to over half the height of the standing crop next to it. To be sure, there was much beauty to admire within this Formation, many fotos to take, and many thanks to offer. But I believe the importance of this Formation goes well beyond its magical arrival and physical beauty.

I returned to Washington State and called Peter the following day to learn what I'd missed in my 24 hours away. To my great disappointment, our FreeAccess Formation had already been 'squared' by the farmer! (This was the second time this summer a Formation I'd been in had been scythed the day after I explored it.) Three days later, however, I received two calls' from Colette Dowell and Peter. Had I heard that The Formation had arrived again?! A duplicated Pattern was unprecedented, to my knowledge. We indeed have received similar Patterns, but for one to be duplicated? . .

The energies had auspiciously come together for Peter, enabling him to visit and video-document both of them. He confirmed that all the lays, including the beautiful sweep at the wheel's 4 o'clock termination point, were identical in both. The only notable difference was the addition of two grapeshot beneath the second Formation.

thought for a moment when suddenly They 'flashed' me, whipping the trenchcoat open for an instant before once again wrapping it around Themselves. What had they 'shown' me?

The implications of this Double Gift were mind-boggling! 1) We were clearly shown that The CircleMakers were very much aware of what was 'going down' in our fields; 2) They knew that the farmer had modified the Energies of the first Pattern in an unacceptable way; 3) I sense that because the Energies had not had sufficient time to accomplish their intended tasks, They 4) retransmitted the Energy Pattern to a field owned by a farmer who (They were obviously aware) had already received three other Formations and had allowed visitors unfettered access to them.

Our CircleMakers are not playing games! The work They are doing through these magnificent Formations is, I believe, very literally of Universal importance. Their love for us, Their gentleness, Their sense of humor, and Their creativity appear unbounded. I feel most privileged to be sharing in the dissemination of this knowledge ...

Now, I personally think of this Pattern as my Bon Voyage Formation; but when I talk with other CircleFolks, I refer to it as the FreeAccess Symbol. Shortly after my return from England, our Arizona Coordinator Sharon Warren faxed me an article from a magazine (published June '93!) written by a woman who'd researched the derivation of this symbol. She wrote to our Federal Government and asked them for everything they had on it. She learned that here in the States when the 'wheelchair' logo appears on a federal building, it means that an individual in a wheelchair will have free access to any office within that building.



Second Wheelchair Formation, East Kennet 1993

Photo: Steve Alexander

I could barely contain my excitement! This is the first time the CircleMakers had allowed us even the tiniest glimpse into Their Awareness. As I pondered the possible meanings of the two Arrivals, I received in my mind a visual impression of these non-physical CircleMaker Entities standing before me in a trenchcoat. I was holding this amusing

The twin Arrivals closely resembled this highly stylized logo; and it seems to me that our CircleMakers used the Formations to convey a similar message: They appear to be reminding us that each of us does, indeed, have free access to Universal Energies and Knowledge, that we are not 'handicapped' unless we choose to acknowledge ourselves as such. The choice, as always, is ours.

CIRCLE IN AN ORGANIC FIELD WITHOUT TRAMLINES and A FORMATION WITH ISOLATED GRAPESHOT

Peter Sorensen and ilyes

(Ilyes is the National Coordinator of the CCCS/U. S. Network.)

One of the most thrilling experiences you can have while investigating Crop Circles is to be the first human into a Formation - can you be blamed if, in a very real way, it feels like the miracle was performed just for you? Last July 28th, ilyes and I, along with Kathleen Vande Kieft (also US) were privileged to be the first to set foot (all together, on the count of three!) into an especially magical 33' Circle located near the middle of an organic field of barley - without tramlines - in East Cholderton (near Andover).



1) Organic barley circle - note faint 'tramlines' which on the ground were virtually non-existent, making it impossible to access the Formation without leaving a trail. Photo: P. Sorensen

Virgin Circle

Although the location was near where we were all staying with our gracious host, Ron Jones, it was off the beaten track and not at all visible from the road. Thankfully, Busty pointed it out to us from the air, and we eagerly visited it the following day. From above, it looked like there were tramlines, and we didn't suspect that it was, in fact, an organic field. But when we tried to find the tractor's path to properly access the Circle, it was nowhere to be found. (On aerial video, the lines are mere shadows compared to the usual appearance of tramlines, and probably were caused by the tractor sowing the field with a seed drill.) Realizing the uniqueness of the situation, we did our best to lightly high-step between clumps of plants and along drill lines, so we might do as little damage as possible. But try as we might, we left an obvious trail. On a subsequent flight, our own entry path was easy to see.

Inside the Circle at last! While Kathleen dowsed the center with her silver pendu-

lum (strongly positive), and ilyes discovered a magic feather in line with the counterclockwise flow, I walked very slowly around the perimeter with video rolling, looking for any signs of entry. There was one rather wide drill line which entered the Circle, but it had countless individual stalks and weeds standing undamaged within it, and it tapered down to nothing about one hundred feet away. There was no way any human being had made that Circle unless they came and left via helicopter!

(There was one area of this Little Organic Barley Circle which appeared to have been 'weather damaged'. Approximately one-eighth of the Circle's circumference was poorly defined and the crop within it was 'messy', ie consisted of broken and snapped stalks standing and lying apparently randomly. It wasn't until I returned to the Circle through Peter's unedited version of the video and noticed as he shot a 360° pan from the center that while all the wheat on the circumference angled slightly to the left, the stalks within a very narrow band just inside the circumference very definitely angled to the right. I had observed in the three Commas (the 999) Formation that one of the three Circles had a counterclockwise border around its clockwise swirl; what I saw in the Barley Circle was similar. I now think that what we previously believed to be a 'wind-damaged' area in the Barley Circle was actually a reverse spin created with the same Energies as the main Circle, which for some reason didn't 'take' well. - ilyes -)

In gratitude for our Gift, we held a meditation in the center. Afterwards we searched for magically bent stalks; at first we found none. It appeared that the Circle had formed after the crop was brown and inflexible. But then we noticed a solitary stalk of oats near where we were sitting. It was still vital, exquisitely curved at 90°, and had a little green shoot sprouting from the base to show precisely which way was up. There can be no doubt as to the origin of this 'simple' Barley Circle!



2) Curved oat stalks (growing amongst the barley) Unlike the barley, which was mature and thus all kinked, the oats were still green (reddish), and able to bend magically. Photo: P. Sorensen

Isolated grapeshot

Another lovely little miracle was a 20 foot Circle with two grapeshot (4 feet and 6 feet) northeast of Warminster that Kathleen and I (Peter) visited right after the Bath Conference. Although the tramline was tangent to the mother Circle, there were fifteen feet of immaculate crop isolating the grapeshot from the nearest line. However reluctant to destroy the perfection of the Formation we were, our desire to document it urged us to wade into the wheat, with the camera rolling all the way. The center of the smaller grapeshot was swirled into a cone that looked remarkably like a corn dolly. I found a 'trademark' magically curved stalk near its perimeter.

Both the organic Barley Circle and the isolated grapeshot were in remote locations where they couldn't have been discovered from the ground until you were right up close to them. They were difficult to find even when spotted from the air. In the case of the organic Circle, it was fortunate that Busty was guided to it at all, as it was outside his usual patrol area. At the end of the day, these simple but remarkable Circles confirm the esoteric (or the plasma vortex!) origin of the whole Phenomenon.

'HEARING VOICES'

Sarah Bell

Based on a seminar given to the Journal Club: an informal gathering of academic psychologists and others, on 24th Nov. 1993.

Introduction

This is a summary of the major points of the account given in my booklet 'Hearing Voices', 1994 version, which describes a physical theory of telepathy in layman's language and also makes some compatible suggestions on the psychological aspects of the 'voices'.

'Hearing voices' and telepathy

'Hearing voices', that is, experiencing an auditory hallucination, is part of the general process of experiencing thoughts as external. For example, hallucinations may mimic input from any of the senses. I suggest that some of the 'voices' may really have an external origin. This means that physics as well as psychology is involved in any explanation. I have been working on a scientific and mathematical theory joining telepathy ('voices' from an external source) and telekinesis (affecting matter using 'mind waves') to the rest of physics. The theory is called *The Tesserai Theory of Telepathy and Telekinesis*, or TTTT for short.

Body, brain and mind

The booklet describes the relation between the body and brain, and the astral and noetic* mind. [*OED - abstract, intellectual - Ed]

The astral mind has a connection with the brain and information can be passed from the brain to the astral mind and vice versa. The astral mind is not so constrained to inhibit a single location in space as the brain. To put that another way, the astral mind can travel at an infinite speed. This allows one astral mind to meet another, although the bodies of their owners are far apart, and information can then pass between the two: telepathy. Just as the brain is accompanied by the body, the astral mind may also be accompanied by the astral body, for example, in Out of The Body experiences.

The study of the noetic mind, unlike that of the brain and astral mind, is not part of physics. The noetic mind is the seat of the will and here, if anywhere, lies the soul. The noetic mind can associate itself with either the brain or the astral mind.

I also suggest a plausible history for the brain and mind: the history of the rise of the individual human consciousness. There is evidence that this has evolved and continues to evolve. At the start of the history telepathic connections between individuals were strong, but each individual had little concept of himself as independent. Indeed he was not. The strength of the telepathic signal then fell, leading to the rise of the individual reasoning self, with a more evolved brain, and an individual astral and noetic mind.

States of the brain and mind and where they come from

I classify the states of the brain and mind relevant for studying hallucination into three states. First states which reflect the body, for example the raw emotion of anger or hunger, second the immediate states which reflect sensory input such as a heard voice, and third, states which accompany a symbol or symbols such as the abstract idea of anger or a stream of words. I suggest that these states, in addition to the previously acknowledged origins can also arise through the reception of a telepathic signal.

I classify the possible origins of such a telepathic signal as another personality or personality fragment, another incarnate human being, an animal, someone discarnate, or a group mind. If another incarnate human being is the source, the telepathic signal may be sent subconsciously. If the message ends in verbal form it may either be sent in this form, or translated into it by the receiver. Determining the source of a 'voice' is the most difficult part of acquiring a skill in 'hearing voices'. In psychosis, although reception of the telepathic signal is enhanced, the ability to judge the source is lost.

The physics of telepathy

I describe the physics of telepathy in very simple terms. This can be done because TTTT is a much simpler theory to understand than Quantum Electrodynamics and General Relativity. For example, park your everyday body somewhere comfortable such as your bed for travelling in your astral body (you do this every night, by the way), and don't try to talk and telepath a message at the same time: the two use the same brain mechanisms. Also, be warned: you cannot send a telepathic message without some sort of reply returning to you to complete the circuit. This is because the physical universe is built from the circular paths made by telepathic and electromagnetic signals.

Telepathons and crop circles

The physical universe consists of self-similar hierarchies of spinning signals made from these signals. This includes the subatomic particles. Their number must be enlarged by the 'telepathons' from which our astral minds and bodies are made. Crop formations may illustrate one, two or more levels of the hierarchy.

The relation: brain and body to astral mind and body

There are single and multiple aspects to both the brain and astral mind. However, it is more common to consider the brain as single but allow that multiple astral minds may be connected to it. Also, our astral mind may combine with others to form a group mind; for example, Gaia might be such a group mind. These minds, like that part of the physical world which contains the brain, are made from a hierarchy of spinning circles. Indeed, as already mentioned, these minds are part of the same physical world and can affect the brain in many ways. One way is that, not only can the states of the brain be encoded in the astral mind, but also vice versa. The first followed by the second occurs in death and reincarnation.

The future

We are now passing through a period of rapid change in which the strength of the telepathic signal is increasing. In the future, the self-conscious and conscientious individual may look forward to the ease with which our ancestors sent and received telepathic signals, combined with the autonomy we gained on becoming able to reason and the knowledge we gain from following the methods of our science.

There is an alternative. Fail to apply our science to what quite clearly exists: telepathy and the astral mind. Fail to apply our science to the noetic mind and hence our conduct, and we could return to a primitive state - that of the ant heap.

A CLARIFICATION OF CHANNELLING

Andy Thomas

Editor, 'Sussex Circular', CCCS Sussex

For those familiar with the concept of psychic channelling, Stanley Messenger's interesting article on the subject in December 93's *Circular* provides an illuminating perspective. However for those with little or no knowledge of the phenomenon, this and the subsequent reports on communication experiments may serve to confuse, in that they appear to portray channelling as abstract and unreliable, of use only as a diverting aside. Channelling isn't an exact science (I suppose by definition it isn't a science at all) but it is rather more of a solid concept than some may think, and a few things need to be clarified.

I am not the world's greatest authority on channelling and am not a channeller myself, so others may wish to add or correct here, but I have spent some considerable time here in Sussex, conversing with characters (or 'entities') who claim to be from other realms and dimensions, usually discarnate human beings currently between earthly lives. Much of this contact has been with 'Joeb', channelled by Paul Bura, the entity we used to guide us at CCCS Sussex in our 1993 crop circle communication experiments. Through Joeb, and other communicants I've heard speak through other channellers, I have come to the conclusion that whatever people may believe to be happening, channelling is an entirely genuine phenomenon. Whether you choose to believe that the entities that speak through channellers are who they claim to be, or that these voices are merely the channeller accessing his or her higher self, the fact remains that the character that speaks exists as a distinct, separate source of information from the human channel and is therefore one worth consulting for a viewpoint which may shed light from another perspective.

Joeb is as real to me as any other friend I'd go to for advice. He is not some monotone Dalek voice, but a true personality, bursting with wisdom, humour and compassion. Approach him with a query or problem and he'll always have something useful to say from another angle you wouldn't have found yourself. And as with anyone you consult, you take or ignore the advice as you see fit.

Channelling is achieved by the human 'host' entering a state of meditation which raises his vibrational frequency, while the 'entity' that wishes or is asked to come through

lowers his, both meeting in the middle as it were. Communication can then take place as the entity channels his personality through the brain and vocal chords of the host. Some channellers enter a trance state to achieve this, while others remain fully aware during this process.

A criticism often levelled at this type of communication is that the state of the mind of the channeller must surely affect and influence the messengers that come through. In some cases this is true. The usefulness and accuracy of the information communicated is therefore reliant on how advanced a channeller the host is. This is why channelling messages are often used as useful reference sources rather than a repository of 'gospel' truth. The entity that speaks, however, may also not be in possession of the full facts about a subject. As Joeb is always keen to point out, living in the other realms may give you far wider insights into existence but it doesn't give you access to unlimited information! Fred Bloggs on the Fifth Dimension may not know nearly as much as Jack Smith on the Sixth, so what you get relies very much on whom or what you are talking to. At the end of the day, you have to see how what you're hearing sits with you, and decide for yourself what to take on board and what to ignore.

But on the whole, channelling proves to be a valued guide for different people at different times, and those with no involvement in the phenomenon should experience it for themselves before making any judgments. Speaking with these communicants is often a beautiful and uplifting experience, and a great understanding of spirituality and love is frequently displayed. There are darker entities of course, but a good channeller will protect himself properly (there are various procedures) before entering a state of communication. Vigilance is needed to listen carefully to what is being said in the channellings; "By their fruits you shall know them". Most entities, however, prove to be of a positive origin.

CCCS Sussex's experiments in 1993 didn't produce the exact results we would have liked (see Barry Reynold's report, last issue) but this could be put down to a number of failings on our part, rather than the channellings. Channelling in this case was used to set up a line of communication with the circlemakers, for whom Joeb acted as a go-between. The circlemakers appear to be on a more distant plane than Joeb and we couldn't speak directly with them, but with Joeb as our intermediary we co-ordinated our plans. Joeb admitted that even they in the other realms were on a "learning curve" in their attempts to communicate with us. Although we didn't manage to witness a crop formation going down, our psychic guid-

ance to the site of our experiment was clearly a success in that we discovered everything exactly as foretold by the channellers. Obviously more work is needed to make the communication attempts a complete success.

With the greatest of respect to Mike Rogers of Hertfordshire CCCS, there was no way their own similar attempts could have succeeded in this manner, because their group was not in agreement with the basic principles behind the idea - which was to be present as a formation was created. They decided they didn't want this - so not surprisingly nothing happened! In this respect, the channelling was not at fault.

Whatever the conflicting views on the utilising of channelling for this type of work, it seems to be the only lead we have to direct two-way communication with the minds behind the crop circles and it is a line which should be pursued further.

There is nothing perverse or unnatural about channelling. It is a gift that many individuals, shamans and holy men have had for thousands of years - a way of accessing information and insights not normally available to the conscious mind. Whatever you consider it to be, channelling surely has something to offer in our ongoing quest for the truth.

ON THE MATTER OF HOAXERS

Chad Deetkin



Three cheers for Michael Glickman. His impassioned article 'The Biggest Hoax of All' in the Dec. '93 issue of 'The Circular' really strikes a chord with me.

I know I speak for many others when I say I too am angry, upset and totally fed-up with the vocal, high profile minority of so-called 'experts' who have become increasingly obsessed with the notion of hoaxing. They make loud and irresponsible pronouncements of hoaxing while rarely going into the fields to study the evidence. Worse, the odd assortment of misfits who claim to be the hoaxers are being credited without ever having to lift a finger.

The subject should have faded into oblivion soon after the Doug and Dave scam unravelled, but thanks to our misguided and gullible colleagues, it is repeatedly resuscitated. I am aware that the best way to deal with claims of hoaxing is to keep a wary eye on the evidence but ignore the people making the claims. But since this ogre continues to raise its ugly head, perhaps I can be forgiven for bringing up the matter one more time.

Recorded evidence

I've been investigating Crop Circles in Canada for four years and in England for two. For those unfamiliar with my work, my specialty is searching for anomalous effects. I spend a minimum of 3 to 4 hours, sometimes 8 hours or more, in each formation, noting and recording anything odd. Some of the evidence I gather is physical, like the lay of the stalks, bends in the stems, differing effects on weeds, lack of damage, etc. Other evidence is mechanical or electrical, such as the effects on recording equipment, cameras and film. Yet another area is the physiological effects on people and animals, including headaches, nausea, dizziness, visual and audio incidents. I also dowse every site thoroughly.

Of the several hundred formations I've studied, less than half a dozen (none in Canada) fall into the category of what I call 'suspicious'. I am not alone: there are numerous enthusiastic and capable researchers out there who, through meticulous and painstaking labour, have come to similar conclusions.

M. R. D.

What then is this lunacy which is gripping certain 'experts'? Everyone has heard of the Mad Cow Disease. Could it be that a genetic mutation has occurred, resulting in a terrible new affliction called the Mad Researcher Disease? Or is it that all these hoax virtuosos have two things in common, - laziness and gullibility? Maybe, after years of laborious and time consuming investigations, they have become burned out by the demands and repetitive nature of the work involved. Perhaps they have become bored with the slow pace at which the circle phenomenon is unfolding and have been drawn, as a moth to a flame, by the illusionary plausibility of hoaxing. Sadly, for them the fine wine has soured.

Have former enthusiasts somehow been so overcome by their deepest fears that, as Michael pointed out, they now seek only the dark shadows amongst the brilliant light? Amazingly, they are eager to announce their gloom without even stepping into a formation. In the embarrassingly revealing words of one, "Disenchantment in 1993 was often such that seasoned circles researchers did not bother to go and examine many of the new formations." Other sources of irritation are the transparently absurd analyses made by otherwise well-meaning people. A remark often heard

is that a particular formation is a hoax because footprints were spotted in it. Unless you are 100% certain you are the first person to have entered a crop formation (a rarity), how could this possibly be considered a criterion? Or how about this one? "Rob (or Jim or Julian or Doug or Dave) was seen in the area, so all those new formations are likely his handiwork". Brilliant! What more could these people wish for? While we're on this subject, let's see what type of person our colleagues are giving credit to so eagerly.

Two Close Encounters

On July 28th at the Nafferton Hall in Marlborough, Doug Bower invited the public to learn at first hand how he and Dave Chorley started making crop circles in 1976. He would give evidence proving they were the creators of most circles.

I attended this, managing to raise questions and speak to him privately afterwards. The first thing that became evident is that Doug is not the 'jolly hoaxter' he is made out to be, but a dour old man who did not strike me as highly intelligent. One wondered at first why Ken Brown, and not Dave Chorley, shared the podium with Doug and spoke for at least half the evening, but it soon became evident that Ken was in fact Doug's handler, virtually telling him what to say and when to say it, keeping the questioning audience off balance, and guiding him through a minefield of inconsistencies and useless evidence.

After about 45 minutes of insulting the audience, Ken allowed Doug some time. One of the first things he did was to disassociate himself from Dave. Dave, he said, was nothing but a complainer and did virtually nothing except pack the tea and biscuits. He, Doug Bower, did 99% of the work. It is curious how suddenly, from being a full partner (if not major player as in *Cropcircle Communique*), Dave was persona non grata. It would be interesting to hear his response to this.

Doug then related for the next few hours (constantly being interrupted and corrected by Ken), how long and why he and Dave have been making crop circles. Of the so-called 'evidence' presented to back their claims of widespread hoaxing, little stood the test of careful scrutiny. An odd array of 'tools of the trade' was displayed: rain jackets, rubber boots, tripods, shrouded torch, sighting cap, stick and rein, crosspiece. The things that struck me as odd were that the boots still had clods of earth (carefully) stuck to the treads! The tripods, although painted black, didn't display the slightest signs of being used, and there was mud stuck to the leg tips, yet not a speck anywhere else. As for the sighting cap, far from being instrumental in making a straight path it is completely useless, since the slightest movement of the head results in losing your line of sight. It would be tantamount to a

survey crew holding their theodolite free-hand!

The impressively displayed photographs, their strongest 'evidence', were a further insult to the intelligence of the audience. Out of the approximately 100 pictures pinned to a board, only about half a dozen showed a partially finished formation, with both merry pranksters in them, and then so close up that it was impossible to say what the location might be. They were also taken in daylight (funny, I thought they said they made them all at night?). Most of the rest were aerial shots with dates written on them. *Who doesn't have a collection of photos of crop circles?* Hardly evidence of making them!

Most of Doug's talk consisted of irrelevant details, avoiding hard facts. All arguments came back to, "You'll just have to take my word for it." Asked about details which he should have known about he consistently 'forgot' or didn't know what the questioner was asking. Nor could he explain any of the anomalous physical traces in the lay, saying only "Must be your imagination". Nor could he account for the strange experiences of researchers such as rapid battery drain, camera malfunction, electronic noises, headaches, etc.

"We did them all" - 2500 formations taking 3 hours each? Are we really supposed to believe that these geriatric 'jolly pranksters' spent from 1512 hours (12 weeks per season for 14 years with 3 forays per week at 3 hours per formation), to maximum of 7500 hours, often in foul weather, in constant danger of being caught by farmers or researchers, driv-

ing often for hours to and from location, for the fun of it? And without their wives ever noticing their absence from bed!

Robert Irving is another matter. On the night of August 8th, 1993, Linda Howe and I spent six hours with him at 'The Barge Inn' attempting to gain some insight into his circle hoaxing abilities and motives. It became clear that if Rob Irving is responsible for any crop circles at all, it is a tiny number. Furthermore his admitted motives are a mind-numbing jumble of contradiction and delusion. Although intelligent and courteous, Irving seems to bask in the spotlight of negative attention and controversy.

The real issues

No hoaxter, including Jim Schnabel, has ever been able to substantiate his claims by means of adequate evidence or by re-creating a reasonable facsimile, even in broad daylight.

Let's stop wasting time and get back to the real issues, - who or what is REALLY making the crop circles, why, and what does it mean for all of us? An aspect of the circles phenomenon which should not be overlooked is the amazingly powerful bond which unites the vast majority of the crop circle community. The occasional bickering can hardly be a surprise considering the diverse background and belief systems represented but I personally have never experienced such a powerful affinity with so many people in so short a time. Perhaps this is the true purpose of the crop circles, - to bring people together. Wherever the phenomenon ultimately leads us, it is a wonderful feeling to be part of it.

WANTED: - ANOMALOUS PHOTOS/VIDEOS TAKEN IN OR NEAR CROP CIRCLES

We have a professional team of scientists in the US currently working on a variety of odd photographic effects (spheres of light, bands of color, black 'darts', film wipes, 'mirage' effects, etc.) obtained by people in and around crop circles, as well as individuals examining strange effects (light spheres, both daytime & night, video wipes, etc.). The team includes prominent photographic expert who helps authenticate the material, an image-enhancement engineer who has worked for the U.S. gov't, an astrophysicist at Harvard and a world-recognized specialist in electro-magnetism. We are adding team-members as need & circumstances dictate.

Our purpose is to, firstly, authenticate the actual photo(s) and/or video(s); secondly, to rule out equipment malfunction, film or tape glitches, or improper processing; thirdly, to rule out known physical causes for the anomaly; and finally to glean as much data as possible from various examinations in an attempt to build up a body of information for research purposes.

If you have an anomalous photo/video and would like it examined:

PHOTO: -Send at least a 5x7 print, plus a brief description of the situation & a self-addressed, stamped envelope to the address below. We'll evaluate the shot(s) and get back to you as to how to proceed, if the material meets our research criteria. **VIDEO:** Send a brief description of the anomaly & a self-addressed, stamped envelope so that we can follow-up.

We are very interested in seeing your material. We are particularly interested in spheres of light photographed or taped in daytime, whether you saw the object or not at the time, altho' we'd like to hear about any anomalies you've captured on film or video. There is no cost to you for duplication of materials or the examinations, once your photo/video is accepted. You will eventually receive a written report(s) on your material if it is examined, and the copyright remains in your hands.

Send info to:

Nancy Talbott, P.O. Box 127, Cambridge, MA 02140, USA (phone 617/492-0415)

LETTERS TO THE CIRCULAR

Great Circles

I was glad to see the review of my booklet 'Global Sacred Alignments' because its relevance to crop circles may not be immediately apparent to anyone.

The questions raised by the review are all very pertinent, but I think they may be, in part at least, due to the rather brief treatment I have given to a potentially vast subject. The text was originally intended to be a magazine article and is therefore restricted in length. I hope to publish an expanded version of it in due course in which your questions and others will be examined in greater detail.

If I have a complaint against your review it would be that it gives the impression that I have ignored the issues which you raise whereas I would argue that I have at least shown that I am aware of them. For example, on the question of the 'philosophical map' I refer to both the Earth Energy hypothesis and the rival Seth/Jenkins one. The latter, in particular, connects the phenomenon to one of the most comprehensive philosophical visions to have emerged in recent esoteric thought. Again, you ask 'Why great circles': I cited Watkins' conviction that leys follow the line of sight. Lines of latitude (except at the equator) and moon circles simply do not follow the line of sight and cannot therefore be leys as he conceived them.

Many people, including myself, believe that there is a connection between ley lines and crop circles, but I have the impression that the research on this is scattered and unconvincing. I would love to see a review article on the subject.

Terry Walsh

Bythorn Star, Little Gidding and 'A Long, Hot Summer'

I was very interested to read (Dec. 1993) the Editor's comment about T. S. Eliot in connection with the Bythorn Star near Little Gidding. In a review of my novel (Long Hot Summer - Sept. 1992) she commented that she had not seen how the circles, Eliot and the main story of my novel were 'integrated'. Could the appearance of the Bythorn symbol, in 1993, appearing as it did so near to Eliot's 'Little Gidding', be a message to Barbara?

As a Hampshire writer, I had long been interested in the corn-field phenomena, and although the setting of my earlier novels is Hampshire circle country, it wasn't until 1990 that I was able to see one on my 'patch'.

It was such an extraordinary experience that the next day I started writing 'Long Hot Summer', and by the following February the final draft was in the hands of my publishers. As the story was to end in the summer of 1991, I faced a minor problem because I needed to 'forecast' what symbols might appear in that year. I asked my son, Simon Burton, who is quite well published on the phenomenon, to put his neck on the block and say what he would forecast. He said 'It has to be the Golden Flower.' So it is his description which appears on page 344. I was really pleased as this symbol, with all its Jungian connections, seemed absolutely made for my leading lady with her Chinese ancestry.

A symbolic flower, exactly as described, did appear late in the 1991 season. What was equally intriguing was that it appeared in the area which in my novel I called Childencombe.

Now, to the Bythorn Star, Little Gidding and this same novel. '... And the fire and the rose are one' from Eliot's 'Little Gidding' leads into Chap. 7 of my novel.

The 1993 Bythorn Star is composed of a symbolic rose and the triangular symbol of fire, and the 'Star' appeared near to the village of Little Gidding. Interesting, isn't it? . .

Betty Burton

A paper back version of the book is due out in March. Ms. Burton would be interested in hearing from any of her readers, c/o Harper Collins, Hammersmith.

Bythorn: an overhead projection?

Peter Chapman's article on his Bythorn 'Star' analysis (*Circular*: December issue), has caused me to look closely at his claims and suggestions. He puts forward the view that the extension of the pattern in a downhill direction suggests that it was produced by projection from above. Furthermore, Peter has argued that the hypothetical projector would have had to have been scanning from a point source to have produced the measured distortion.

As is probably known to regular readers of *The Circular*, that imagery is consistent with my own solution to the genuine crop circle mystery. A letter received from Prof. Gerald Hawkins, noting this, has spurred me to do my own geometrical analysis using Lucy Pringle's photograph as my information source. The diagram shows the outcome of my work.

It seems unlikely that the formation could have been produced by a scanning projector located directly above the centre of the central circle. Even allowing for some exag-

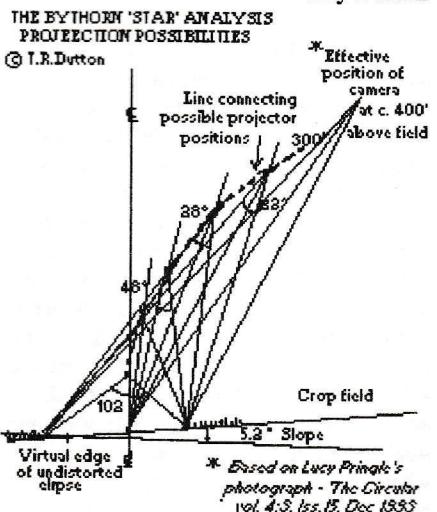
geration in my estimated distortion of the formation, the wide beam scan angle from such a position would have notionally produced much outward splaying of the crop at the outer rim, which is not in evidence. So, this points to the possibility that the projector might have been radiating downhill from some point in the air uphill of the formation. However, the consideration that no noticeable outward splay of the downhill rim must be produced limits the slant angle which can be considered. As can be seen from the diagram, even though, initially, the required scan angle reduces very rapidly as the slant angle is reduced, it becomes a case of rapidly diminishing returns because the angle, relative to the ground, at which the beam hits the crops at the lower rim of the formation, cannot get much greater than about 50 degrees before it begins to decrease again and, therefore, to increase the outward splaying of the crop.

To conclude: if the Bythorn Star formation had been produced in the manner proposed, according to my calculations the scanning projector would have had to have been located at an altitude of no more than 250 feet above the field and to have been projecting at a slant angle, relative to the field, of approximately 70 degrees. This assumes that the gradient of the field was 1:11 and constant.

The lack of outward splaying at the rim of the formation causes me to have serious doubts about whether it was produced in this way.

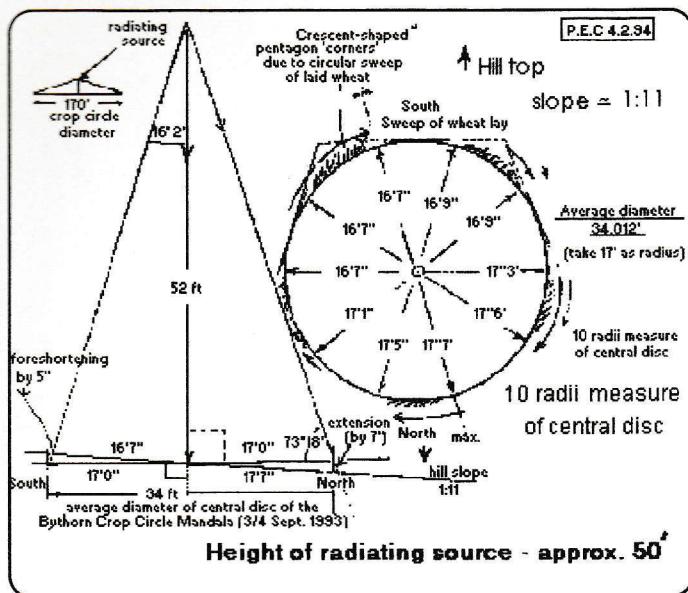
For all other circles (with and without distortions) considered by me in the past, it has always been possible to locate the source, notionally, at altitudes of thousands of feet above the formations. The Bythorn example seems to be very different and I suggest that other explanations should be sought. I would welcome Peter Chapman's response.

Roy Dutton



Roy Dutton's analysis of Bythorn 'overhead projection' heights based on photograph

Here is Peter Chapman's Analysis of Bythorn 'overhead projection' heights based on ground measurements



AUSTRALIAN CROP MARKING

As this issue was going to press, Kevin Forbes of Victoria, Australia, rang me about some unexplained markings in field grass on his land. The shapes have several interesting features, including being 'combed away' on each side of a fence and from trees. Not weather-damage - it had been 'rather cool' (for summer). What is of particular interest is that thistles, described as normally being like 'celery stalks', were bent but otherwise undamaged. Sound familiar? Kevin will be sending data and samples. B.D.

GLASTONBURY SYMPOSIUM

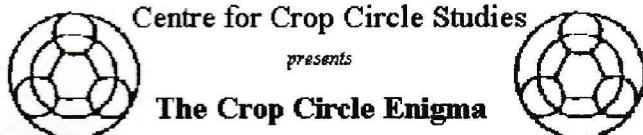
INVESTIGATING CROP CIRCLES

The event will be happening as usual at:

THE ASSEMBLY ROOMS
on the
5th, 6th & 7th of AUGUST '94

The full programme will be posted in coming issues of
The Circular & Cerealogist

Contact: Roland Pargeter
91 Roman Way, Glastonbury, BA6 8AD
Tel.: 0458 834252 or
Tel. & Fax 0458 832 533



Centre for Crop Circle Studies

presents

The Crop Circle Enigma

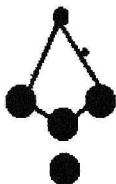
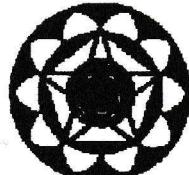
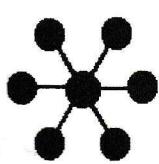
A Talk by

URI GELLER

(provisional booking)

& LUCY PRINGLE

*1994 Crop Formations
Review of the Season*



Haslemere Hall, Haslemere, Surrey
Thursday 29th September 1994

Tickets for the CCCS Day Conference include this event
Admission for evening only: £6. CCCS members £5

Enquiries: Lucy Pringle (0730 263454) & Michael Green (071 622 6884)

THE CIRCLE HUNTER

A NEW MONTHLY CIRCLE MAGAZINE

A national magazine with a northern origin, committed to reporting the latest regional and national events from the famous Wessex formations to the more remote circles of the north, eg the "Star of David".

ARTICLES COMING UP:

*A round up of 1993 circles from the north
The connection between the circle force and volcanic blasts
Holbeck Hall disaster predicted
"An age like this".*

The Circle Hunter is a non-profit-making 12 page A5 magazine, bursting with the latest photos and diagrams.

Editors:

Ian McCormack and Anthony Horn
Write to: Anthony Horn, 23, Sea View Drive,
Scarborough, N. Yorks YO11 3HY
Subs: £12 per annum for 12 issues - £1.20
single copy
Please make cheques payable to Anthony Horn



Silbury Hill with ringed circle (May '93). 1st Wheelchair (August) just visible in same field as four dots towards top left.

Photographs: Andrew King

Bent Rape stems in 1993 crop circle

