Ipswich Group

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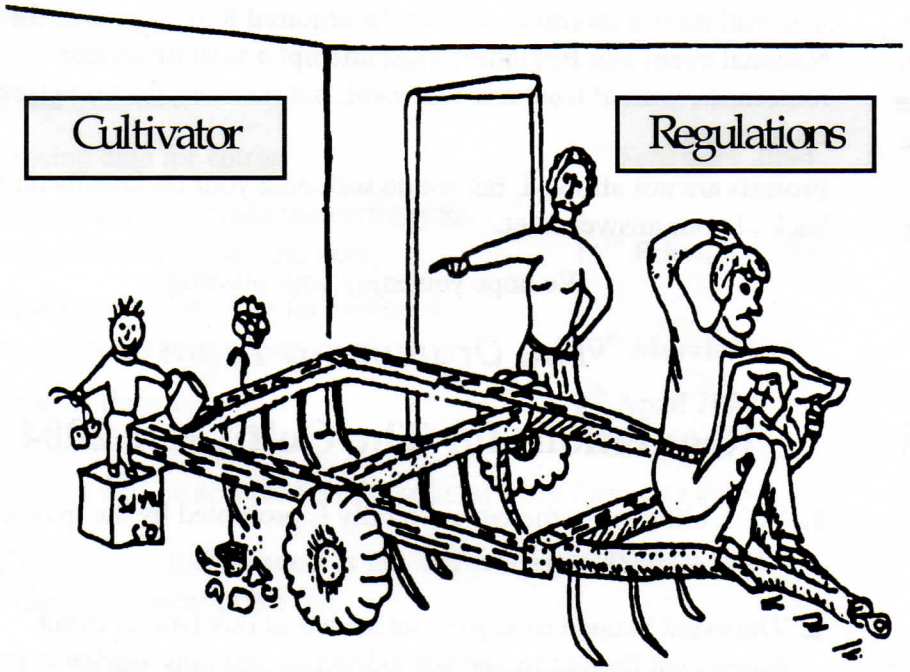
The Cultivator

Home Table Top Rally 2004



11th February to
10th March 2004

The Cultivator 2004

Welcome to the 2004 Cultivator, now in its twentyseventh year. Last year's organising team has returned on a new map. The format of the event is that we ask you to plot your route, then answer a series of question to prove you have taken the correct route. You then return your completed answersheet before the closing date of 10th March 2004.

There will be two classes of entry, the National and the Beginners Event, which will include instructional route cards for those new to table top rallying. The instructional routecards will not form part of the event and will carry no marks.

You will have a month to answer the required 8 of 9 sections for the National event and Beginners must attempt a total of sixteen routecards, with at least one routecard, but no more than two from each section.

Protests are not allowed, but we do welcome your comments on the back of your answersheet.

We hope you enjoy your plotting

The Organising Team

Regulations for The Cultivator 2004

1. The Cultivator home table top rally is promoted by the Ipswich Group of the **csma** Ltd.

2. The event is open to anyone interested in this type of event. Entries are limited to one per individual and only entries in the name of individuals will be accepted. Entries are accepted or rejected at the sole discretion of the organisers.

3. The event is governed by these regulations and any final instructions issued on 11th February 2004.

4. The map required is OS sheet 144, 1:50,000 Landranger map, Thetford & Diss, edition code is B1.

5. Local knowledge will be of no assistance in plotting the route. No help will be obtained in attempting to drive along the route.

6. **Officials**

Event and Entries Secretary	Bob Thomas, 1, St Mary's Close, Trimley St Mary, Felixstowe, Suffolk, IP11 0TY.
Clerks of the Route	John Zoller, Martyn Shakespeare, Paul Collins.

7. **Time Schedule**

Closing date for entries	**9th February 2004**
Dispatch date of route instructions to competitors by first class post	**11th February 2004**
Closing date, i.e.. date for postmark on your returned answer sheet	**10th March 2004**
Issue of Results	**9th April 2004**

8. Entries will be accepted on the official entry form or a copy.

9. The entry fee for the event is £6. No entries will be accepted without the appropriate fee.

10. Entries will **NOT** be acknowledged unless a stamped address envelope is enclosed.

11. The Organisers reserve the right to cancel the competition if insufficient numbers are received, in which case entry fees will be returned.

12. Marking

National Event

Each route card will carry equal marks and competitors must do 8 of the 9 sections.

Beginners Event

Each routecard will carry equal marks and entrants must attempt a total of sixteen routecards, with at least one routecard, but no more than two from each section.

Note The instructional route cards will not form part of the event and will carry no marks.

13. No entrant may win more than one award.

14. Awards

	National	Beginners
1st Overall	**£45.00**	**£30.00**
2nd Overall	**£30.00**	**£25.00**
3rd Overall	**£20.00**	**£20.00**
Next best 10%	**£12.00**	**£12.00**

Additional awards may be presented at the organisers' discretion.

15. No provision is made for protests but you are invited to make constructive comments or observations to explain your answers.

16. Late entries may be accepted at the discretion of the organisers, but might result in a delay in the dispatch of the route instructions.

17. A classified finisher is anyone who has attempted at least 75% of the required route cards.

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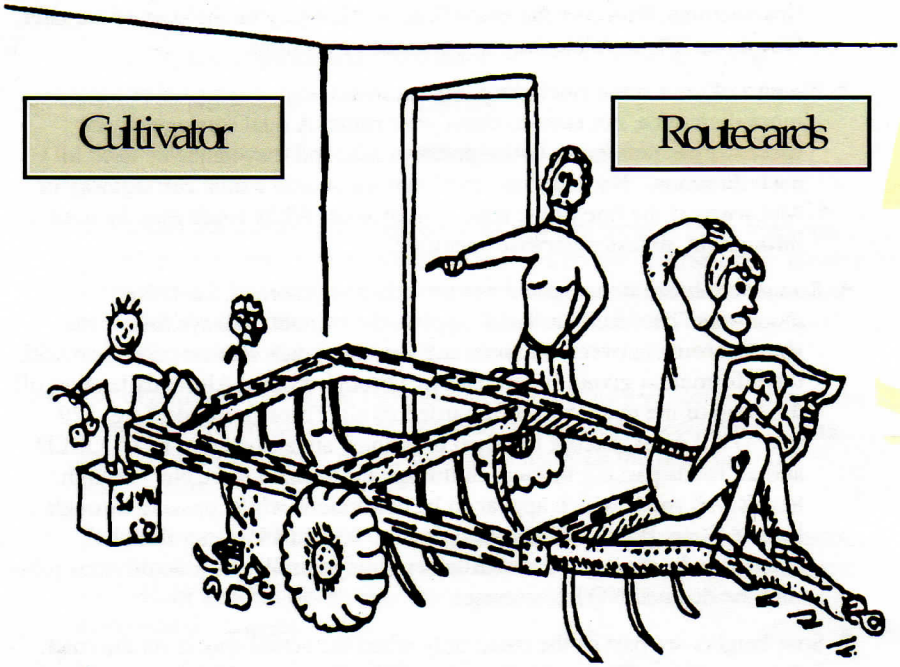


11th February to

10th March 2004

Final Instructions and Supplementary Regulations

1. The route is to be plotted on OS map 144 (Thetford & Diss), Edition B1.

2. Entrants in the National Event must complete the answers to any 8 of the 9 sections. Beginners must attempt a total of sixteen route cards. with at least one route card, but no more than two from each section. If too many sections are attempted, the WORST sections respectively will be taken. If you wish any answers to be ignored. cross them out.

3. The route uses only ROADS as defined in the map legend. Paths are to be ignored. 'White' roads are still '~white, even if they have some coloured overprint. Roads under construction shall be ignored. The OS classify B roads as 'orange', NOT 'brown': this convention has been adopted for this event. A roads are either green or red.

4. Unless stated otherwise, all competitive sections are joined by penalty-free link sections. However the end of one section may be the start of the next. Questions (PC's) relate only to competitive sections.

5. No part of your route (including link sections), may use a road or junction more than once, not even to cross your route. A dual carriageway or Motorway is defined as two separate roads, and may hence be used in each direction. 'No entry' or 'exit' may exist onto a dual carriageway or Motorway if the line of the road is unbroken. White roads may be used throughout. unless otherwise specified.

6. Roundabouts are to be treated as you would on the road, i.e. travel clockwise. The 'Rule of Road' applies throughout. Always follow the shortest route between the Start and Finish of each section consistent with the information given. Ignore all No Through Roads. All roads leading off the edge of the map shall be regarded as No Through Roads, (e.g. 170 900½) All gates, except for level crossings, are assumed to be CLOSED and all roads passing through buildings are deemed to be No Through Roads. All roads which appear to be continuous whilst passing through lettering (e.g. 065½ 741½) symbols (e.g. 908½ 019½) etc, shall be deemed to be through roads.. Roads running parallel with no obvious joins shall be deemed NOT to connect.

7. Spot heights are part of the route only when the actual spot is on the road. Triangulation pillars are not used to define the route. If the clue is based on a particular feature (or features), then all similar features not in the clue must be avoided. Lettering is considered to be on the route if any part touches the road (breaks the line). N123 789E means Approach grid reference 123 789 from the North, and leave towards the East.

8. PC = Passage Check - a question on your route,

9. References to bridges, etc. should only be counted where the symbol actually appears on the map. Footbridges count as bridges. All Places of Worship e.g. churches are defined by the centre of their cross. All Public Houses are defined by the top right hand corner of the 'H'. All Telephones are defined by the end of the line showing their location i.e. opposite end from the handset symbol. Farms are defined by the top left hand corner of the 'F' and Halls are defined by the top left hand corner of the 'H'. Make sure you are familiar with the legend on the flyleaf of the map.

10. Tolerances for any GR are 150m. The tolerance for any distances is 10%. Distances are to be measured from the centre of the road.

11. Directions are based on GRID NORTH.

12. **MARKING.** For each:

Correct answer	1 mark
Incorrect answer	-l mark
No answer	0 marks

Therefore the winner will the Competitor with the highest total of marks gained.

13. If you feel the question is ambiguous, or you feel there is more than one correct answer, then write your other answers on the reverse of the answer sheet stating your reasoning. If your reasoning is valid, and the organisers consider you to have a fair complaint, a fail might not be incurred. This will only occur in exceptional circumstances.

14. The organisers reserve the right to cancel or amend any section, should the need arise. No protests will be accepted. If you wish to comment on any aspect of the Cultivator, please write comments on the reverse of the answer sheet.

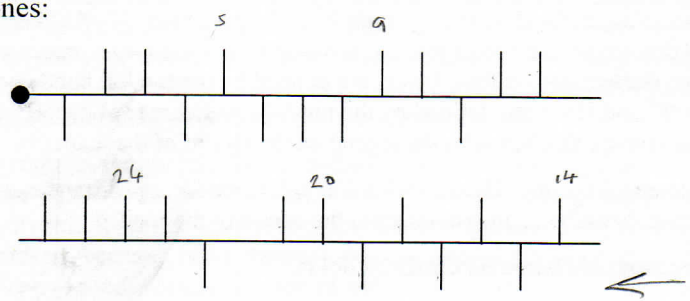
15. Competitors will be placed in order, the winner having the highest marks. Any ties will be resolved by 'farthest cleanest'. In the event of a tie, extra sections, or another tie-breaker the organisers may devise, may be used to determine the winner.

16. Return answer sheets to Bob Thomas, 1 St Mary's Close, Trimley St Mary, Felixstowe, Suffolk, IP1 1 OTY

17. Envelopes should bear a postmark of not later than **10th March 2004**

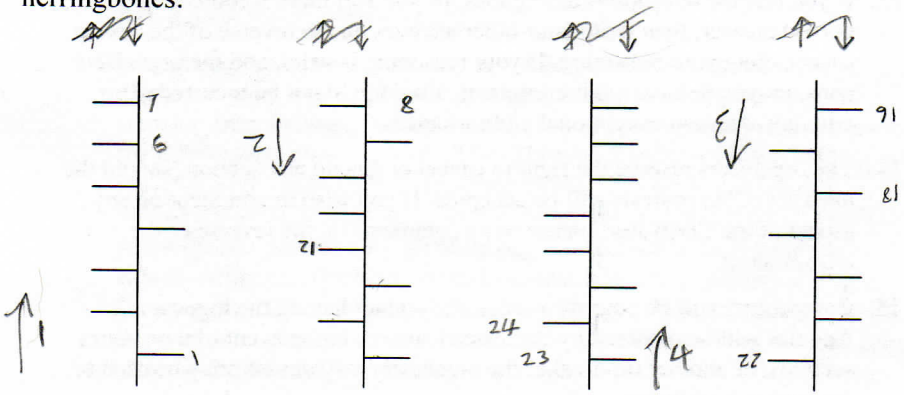
Section 1 - HERRINGBONES

TC1 919 700 – TC2 939 705 The route to TC2 is defined by the following herringbones:



PC1A is the 5th junction of the 'bone in grid square 9170? Y
PC1B is the 9th junction of the 'bone approached on a white road? N
PC1C is the 14th junction of the 'bone approached on a white road? Y
PC1D is the 20th junction of the 'bone approached on a white road? Y
PC1E is the 24th junction of the 'bone approached on a white road? N

TC2 939 705 – TC3 The route to TC3 is defined by the following herringbones:

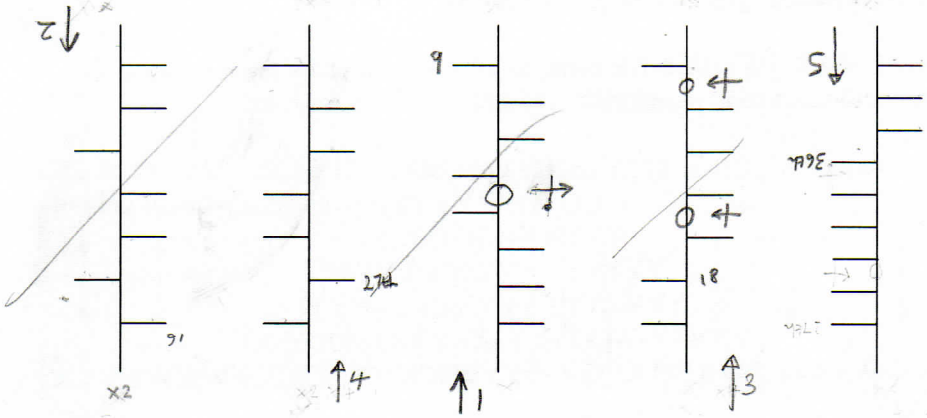


TC3 is at the next spot height

PC1F is the 6th junction approached on a white road? N
PC1G is the 12th junction in grid square 9972? Y
PC1H is the 18th junction in grid square 0271? N
PC1I is the 24th junction approached on a white road? N
PC1J is the spot height at TC3 62? N

Link to TC4 at SW 050 747

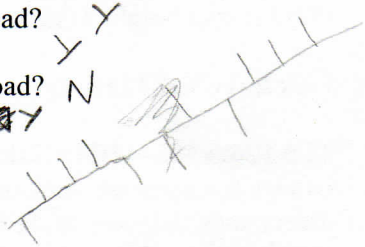
TC4 SW 050 747 – TC5 The route to TC3 is defined by the following herringbones:



There are 3 crossroads on the correct route, not given in the 'bone, turn right at one and left at the other 2.

TC5 is at the next spot height

The following PC's (1O - 1K) include the missing crossroads
PC1K is the 9th junction approached on a orange road? Y
PC1L is the 18th junction in grid square 0375? Y
PC1M is the 27th junction approached on a white road? N
PC1N is the 36th junction in grid square 0774? Y
PC1O is the spot height at TC5 52? Y



Link to TC6 at SW080 768

Section 2 - JUNCTIONS

TC6 SW 080 768 – TC7 119¾ 735½ The route to TC7 is defined by the following in-order coloured road junctions:

GGW WYY YYY YGG GGY YYWW WWW WWW WWW WWW
WGG WGG GGY YYY YYY YYY YYW YYW YYW YYY YYY YYY
YYY YYY

PC2A is the 4th junction in grid square 0877
PC2B is the 8th junction approached from the N
PC2C is grid reference 103 772½ on the route
PC2D is grid reference 114¼ 765 on the route
PC2E is the 20th junction in grid square 1074

TC7 119¾ 735½ – TC8 The route to TC8 is defined by the following in-order coloured road junctions:

GGYWGGW
GGYOYYYYYY
YYYYYGGGYGGY
YYYYYYYYWYYWYYW
YYYYYYYYYYYYYYYYY
YYWOOWOOYYYYOOYOOWOOYOO
YOOOOOOOOWOOWOOWOOYYYWWWWWWWWWWWWWYYW

TC8 is at the last junction

PC2F is TC8 in grid square 1274?
PC2G is spot height 46 on the route?
PC2H does the route use grid square? 1472 twice
PC2I is spot height 27 on the route?
PC2J is spot height 41 on the route?

Link to TC9 at 126½ 751

TC9 126½ 751 – TC10 If the 4 different road colours e.g. White, Yellow, Orange & Green are randomly labelled A, B, C & D (not necessarily in that order), then the route to TC8 is defined by the following in-order coloured road junctions:

DDBBBBBBBBBBBBBBBBBBBBBCCCCBBAAAAAACCCCACCAA
ABAAACCAADDADDCDDCCCCDDCDDBBBBBCCCCBCCAAAAA
AAADDDDAAAAAADDADDBAAAAABBBBBBAAAAAAAAAAA
AA

TC10 is at the nearest spot height.

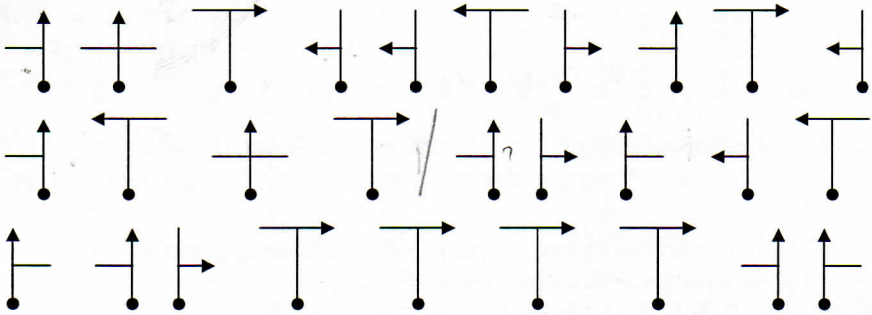
PC2K is TC10 at spot height 25?

PC2L is grid reference 138 752¼ on the route? N 150m?
PC2M is grid reference 154½ 770 on the route? N
PC2N is spot height 34 on the route? N
PC2O is grid reference 132½ 781½ on the route? Y

Link to TC11 at W 153 785

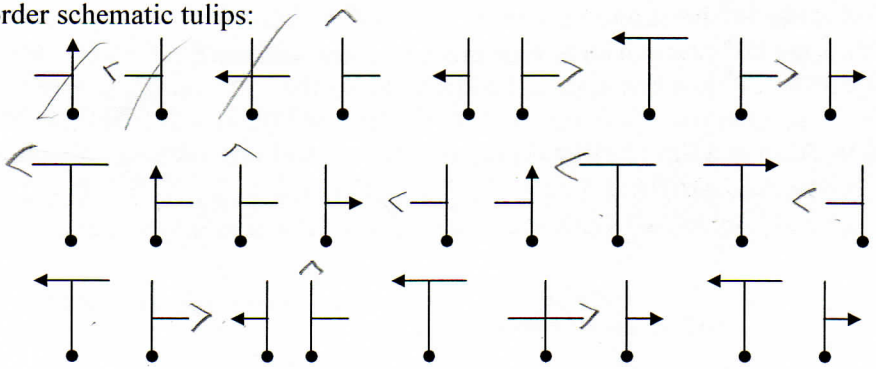
Section 3 - SCHEMATIC TULIPS

TC11 W 153 785 – TC12 121½ 847 The route to TC12 is defined by the following in-order schematic tulips:



PC3A is grid reference 165½ 790 on the route? N
PC3B is grid reference 157½ 799 on the route? Y
PC3C is grid reference 138 842¼ on the route? N
PC3D is grid reference 121 809½ on the route? Y
PC3E is grid reference 136 834¼ on the route? N

TC12 121½ 847 – TC13 The route to TC13 is defined by the following in-order schematic tulips:

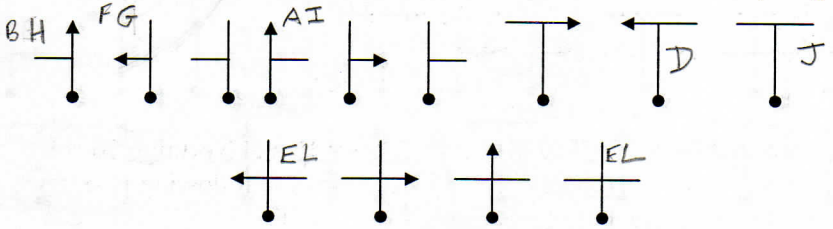


TC13 is at the next junction

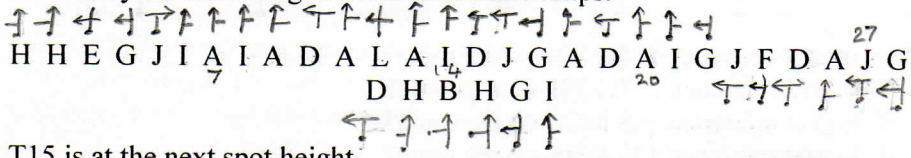
PC3F is TC 13 in grid square 1495? Y
PC3G is grid reference 110 881½ on the route? N
PC3H is spot height 42 on the route? Y
PC3I does the route use grid square? 1491? Y
PC3J is grid reference 142939 on the route? Y

Link to TC 14 at WSW148 954½

TC14 148 954½ – TC15 If the 13 possible different Schematic tulips e.g.



Are randomly labelled with the letters A – M, then the route to TC15 is defined by the following in-order schematic tulips:



H H E G J I A I A D A L A I D J G A D A I G J F D A J G
7 4 20 27
D H B H G I

T15 is at the next spot height

PC3K is TC15 at spot height 23? Y but last could take it white road
PC3L is the 7th junction approached from the NNE? Y? could be N 167945
PC3M is the 14th junction an all white junction? N
PC3N is the 20th junction an orange-orange-yellow junction? Y
PC3O is the 27th junction approached from the north? Y veering to NNW

Link to TC16 at SSW 122 919 via the B1077

Section 4 - GRID LINES

TC16 SSW 122 919 – TC17 139 002½ The route to TC17 is defined by crossing the following in-order, but separate, grid lines:

Eastings 13 13 12 11 10 10 11 12 13 13 13 13 13

Northings 92 92 92 93 93 93 94 95 96 96 96 97 98 99 00 00 00

PC4A is spot height 62 on the route?
PC4B is grid reference 110 935½ on the route?
PC4C is grid reference 114 958 on the route?
PC4D is spot height 64 on the route?
PC4E is grid reference 121½ 994½ on the route? N

TC17 139 002½ – TC18 If Easting 25 = 2 * 5 = 10 and Northing 16 = 1 + 6 = 7, then the route to TC18 is defined by crossing the following in-order grid lines:

44412534656555554645766858483393928

Check

TC18 is at the nearest telephone

PC4F is TC18 in grid square 1106? N
PC4G is grid square 1501 on the route? N
PC4H does the route use a white road in grid square 1504?
PC4I is spot height 42 on the route? N
PC4J is grid reference 131 091½ on the route? Y

Link to TC19 at E100 092

TC19 E100 092 – TC20 The route to TC20 is defined by crossing the following in-order grid lines:

- = - = - = - = = = + = + - + = - + - - + - = = - = = = + - + -

TC 20 is at the next junction

PC4K is TC20 in grid square 0204? Y
PC4L does the route cross under ETLs more than twice? Y
PC4M is spot height 27 on the route? Y
PC4N does the route cross the railway in grid square 0505? N
PC4O is spot height 56 on the route? Y

Link to TC21 at SW031 070½

N
W E
S

Section 5 - GRID SQUARES

TC21 SW031 070½– TC22 943 077½ If North rotates 90° clockwise every time a grid line is crossed, then the route to TC22 is defined by departing consecutive grid squares by the following in-order sides:

N E N W W E W S E W S W S E W W W S E W S N N W W S E S W N
N N S N W N E W E S N N S N E N W E W N S W S N W E W W W W
E E N N S E S S N N W
W N N E N N S W S W W

PC5A is spot height 58 on the route? N
PC5B does the route cross grid line 02 more than once? Y
PC5C is grid reference 996 047¾ on the route? Y
PC5D is grid square 9704 on the route? Y
PC5E is grid square 9709 on the route? Y

TC22 943 077½ – TC23 If North rotates 90° clockwise every time an Easting is crossed and -180° each time a Northing, then the route to TC22 is defined by departing consecutive grid squares by the following in-order sides:

N
W E
S

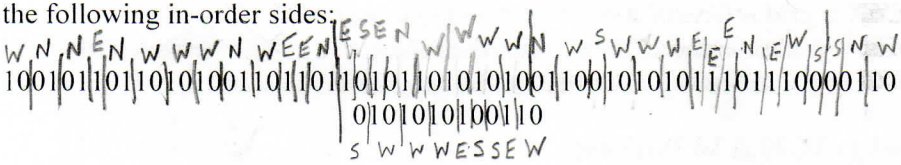
180 90 270 180 0 180 90 0 180 90 270 90 0 180 90 270 180 0 90 180 270 90 -90 -270 -180 0 90 180 0 -180 -90 -270
N E W S S N E N S W E E N S E E S S E S E W E W S N E N N S W W E
N W S W N N W W S E N S W S W N N W N E W W S S S W S E E S S E S S
N W W S N E E
-90 0 90 -180 -90 W W N E N W N

TC23 at the next spot height

PC5F is TC23 at spot height 67? Y
PC5G does the route use grid square 9109 more than once? Y
PC5H is grid reference 898 093½ on the route? N
PC5I is grid reference 883 087 on the route? N
PC5J is grid reference 897½ 019½ on the route? N

Link to TC24 at E 862 043

TC24 E 862 043 – TC25 If North = 01, East 1, South = 0 and west = 10, then the route to TC25 is defined by departing consecutive grid squares by the following in-order sides:



T25 is at the next junction

PC5K is TC25 in grid square 8007?
PC5L does the route use a white road in grid square 8506?
PC5M is spot height 45 on the route?
PC5N is grid reference 777 083½ on the route?
PC5O does the route use a yellow road in grid square 8009?

Link to TC26 at WSW 820 040

Section 6 - DISTANCES

TC26 WSW 820 040 – TC27 873½ 999 The route to TC27 is defined by the following in-order distances between consecutive junctions in mm:

17½ 24 6½ 9½ 17 13½ 10 9½ 8½ 10 14 5 5 1½ 1½ 5 13½ 8½ 7 6½ 8 15 6½ 33 23½ 33 2½

PC6A is grid reference 844 042 on the route?
PC6B is spot height 49 on the route?
PC6C is grid reference 844 036 on the route?
PC6D is grid reference 840 028 on the route?
PC6E is spot height 51 on the route?

TC27 873½ 999 – TC28 The route to TC27 is defined by the following in-order distances between alternate junctions in mm:

22½ 5 15 22 24½ 39 9 17½ 13 13 3½ 28 7 16 3 31 42½ 22½ 18 6½ 27 17 40 35 30½ 25½ 25 20

TC28 is at the last junction

11

PC6F is TC28 in grid square 7800? Y
PC6G is grid reference 880 988 on the route? N check
PC6H is grid reference 838¼ 992½ on the route? Y
PC6I is grid reference 826 006½ on the route? Y
PC6J is grid reference 8784 032 on the route? ?

Link to TC29 at W 787½ 996

TC29 W 787½ 996 – TC30 The route to TC30 is defined by the following not-in-order distances between alternate junctions in mm (the first and last measurement are in the correct place):

25 8½ 10 12 12 13 13½ 14 14½ 15 18½ 19 20½ 23 25 30½ 32
40½ 22½

TC 30 is at the last junction

PC6K is TC30 approached from the WNW? Y
PC6L is grid square 8199 on the route? N
PC6M is grid square 8395 on the route? Y
PC6N is grid square 8693 on the route? N
PC6O is grid reference 805 999¾ on the route? N

Link to TC31 at 847½ 909¾

10

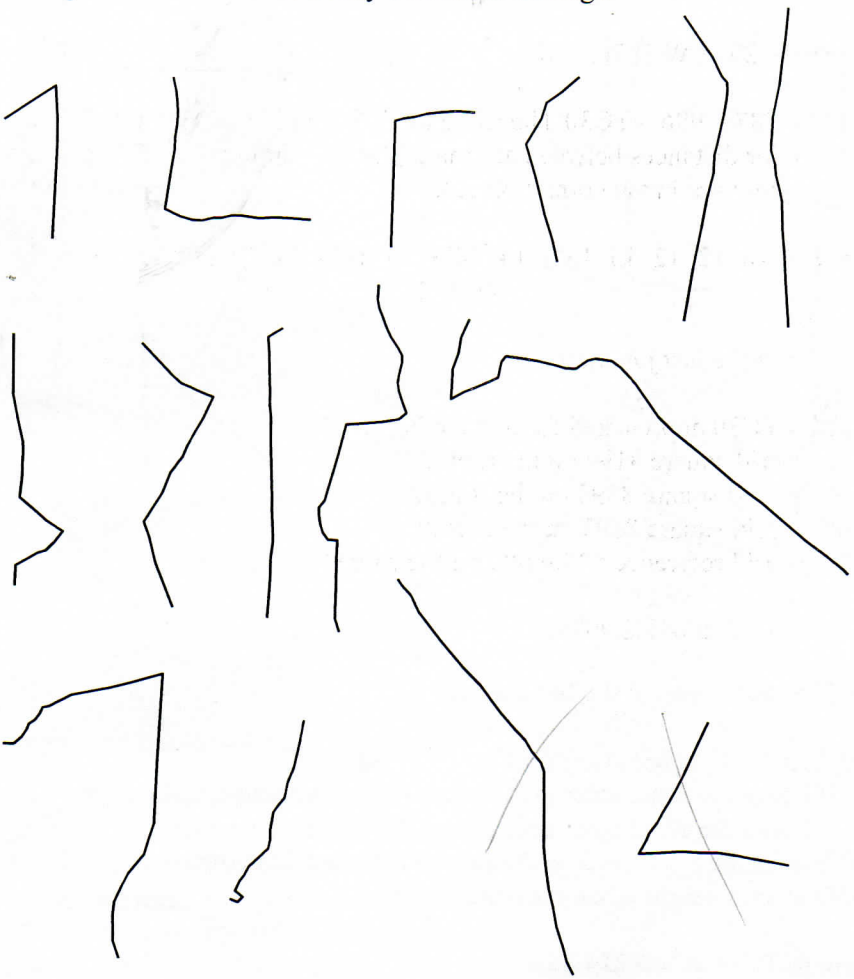
19 8½ 20½ 14 12 40½ 14½ 13/13½ 25 32

15 12 23 30½ 18½ 22½

Section 7 - TRACINGS

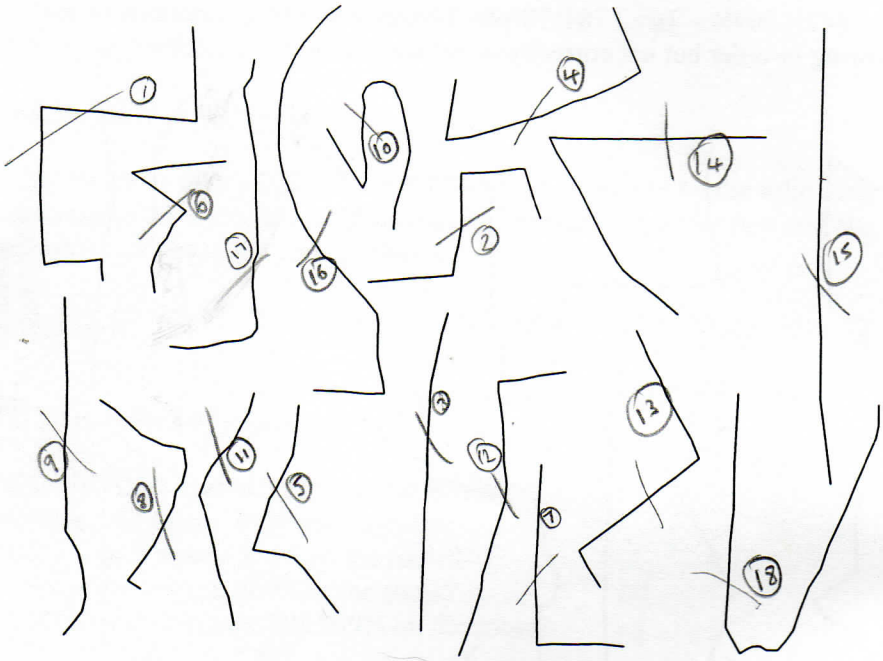
For this section only all gates are **open**

TC31 847½ 909¾ – TC32 784½ 939¾ The route to TC32 is defined by the following in-order but not correctly orientated tracings:



PC7A is grid reference 836¾ 948 on the route? Y
PC7B is grid reference 797½ 964 on the route? N
PC7C is grid reference 778 946 on the route? Y
PC7D is grid reference 805 956½ on the route? N
PC7E is grid reference 812¼ 931 on the route? N

TC32 784½ 939¾ – TC33 The route to TC33 is defined by the following not in-order and not correctly orientated tracings:

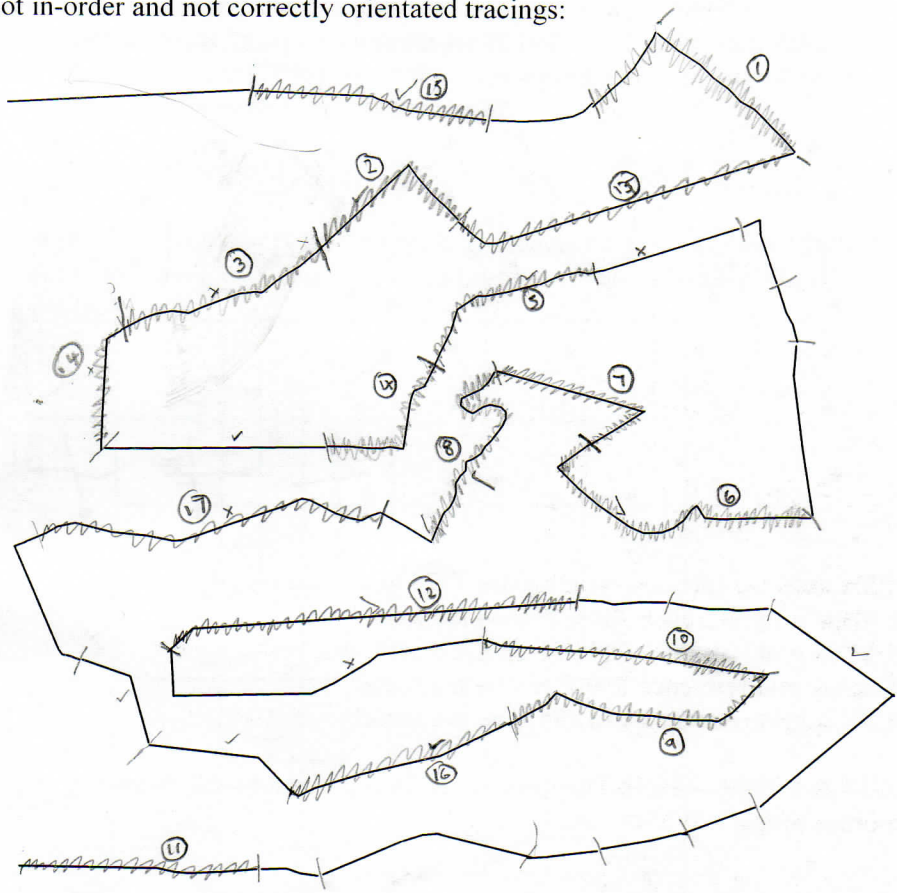


TC33 is at the end of the last tracing

PC7F is TC33 at spot height 24? N
PC7G does the route enter grid square 7891 more than once? Y
PC7H does the route enter grid square 8190 more than once? Y
PC7I does the route enter grid square 8188 more than once? Y
PC7J is spot height 42 on the route? N

Link to TC34 at NW834 851

TC34 NW834 851 – TC35 The route to TC35 is defined by the following not in-order and not correctly orientated tracings:



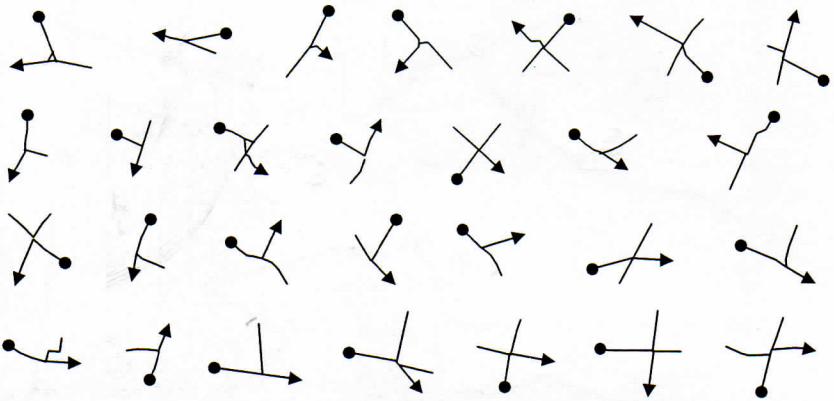
TC35 is at the end of the last tracing

PC7K is TC35 in grid square 7978?
PC7L does the route use grid square 8784 more than once?
PC7M is grid reference 794 838½ on the route?
PC7N does the route use grid square 8082 more than once?
PC7O is grid reference 786½ 794 on the route?

Link to TC36 at NNW 809 780

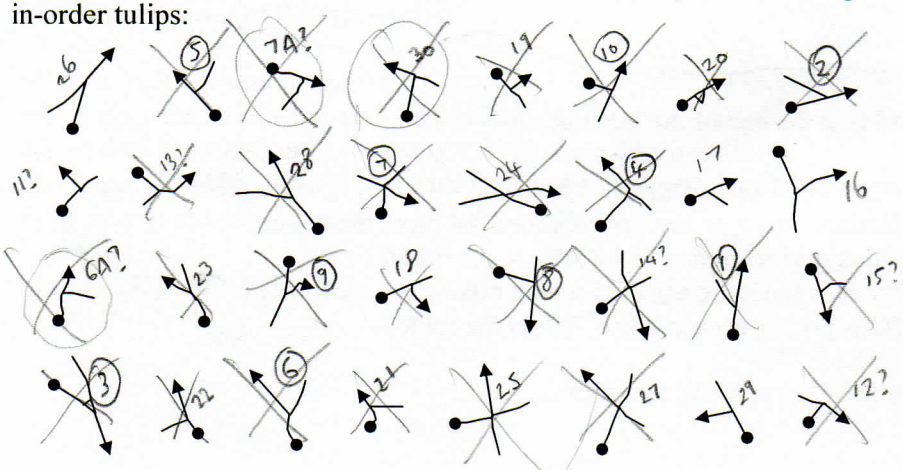
Section 8 - TULIPS

TC36 NNW 809 780 – TC37 860 708½ the route to TC37 is defined by the following in-order Tulips:



PC8A does the route use grid square 7775 more than once?
PC8B is grid reference 784½ 750 on the route?
PC8C is grid reference 784 721 on the route?
PC8D is grid reference 839 710½ on the route?
PC8E is grid reference 852 704½ on the route?

TC37 860 708½ – TC38 The route to TC38 is defined by the following not-in-order tulips:

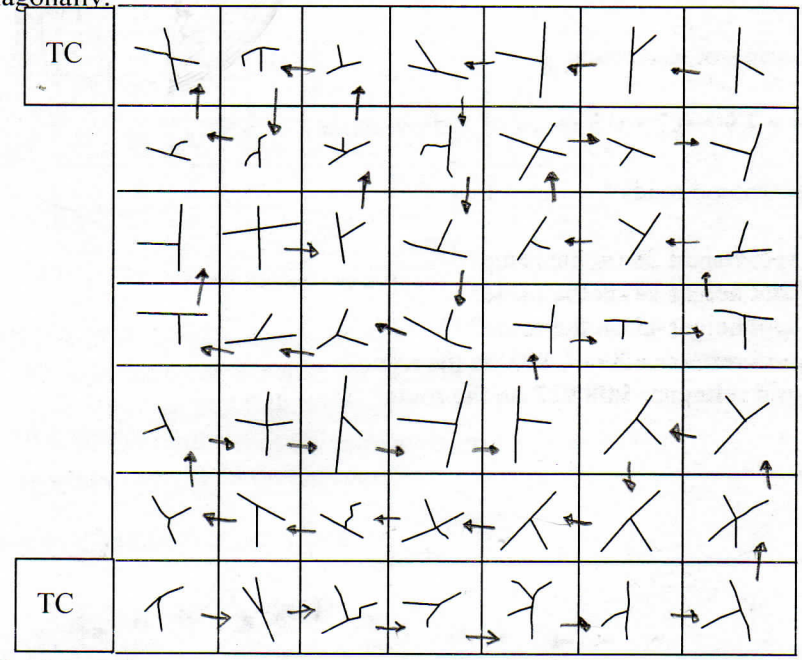


TC38 is at the nearest spot height

PC8F is TC38 at spot height 18? N
PC8G does the route use grid square 8870? N
PC8H is spot height 35 on the route? N
PC8I is grid reference 939½ 750 on the route? N
PC8J is grid reference 897 740 on the route? Y

Link to TC39 at ENE 900 795½

TC39 ENE 900 795½ – TC40 The route is defined by moving from TC to TC in the following grid you may move horizontally or vertically, but not diagonally:



TC 40 is at the nearest spot height

PC8K is TC40 at spot height 14? N
PC8L is grid reference 895 789½ on the route? N 150
PC8M is spot height 27 on the route? Y
PC8N is spot height 48 on the route? N
PC8O is grid reference 849 721½ on the route? Y! 150

Link to TC41 at E920 836 via 936 829½

Section 9 - MISCELLANEOUS

TC41 E 920 836 – TC42 928 899

Take the shortest route to TC42 using:

2.2 + 4.6 miles of White roads 6.8

1.1 mile of Green roads 1.1

0.8 + 0.3 miles of Red roads 1.1

0.75+ 0.4 + 4.9 + 0.7 + 0.3 miles of Yellow roads 7.05

0 miles of Orange roads

PC9A is spot height 28 on the route?
PC9B is spot height 14 on the route?
PC9C is spot height 43 on the route?
PC9D is grid reference 894½ 895 on the route?
PC9E is grid reference 908 922 on the route?

TC42 928 899 – TC43 The route to TC43 is defined by passing as near as possible to the 7 Farms hidden in the following grid (they may be horizontal, vertical or diagonal and either backwards or forwards). All farms are within 5 mm of the nearest road:

L	O	V	E	A	B	L	E	Y	R
E	A	A	R	T	R	O	P	T	O
P	S	Y	E	L	I	H	O	R	N
R	I	S	A	L	A	W	L	E	A
E	S	G	R	A	N	N	E	L	M
C	A	R	E	H	T	L	D	A	S
O	P	O	L	P	H	A	I	H	L
R	R	V	P	U	G	S	S	I	O
N	I	E	P	L	I	A	N	L	O
S	L	L	A	H	T	N	I	L	F

LEYS ✓ HILL ✓
LOVEABLE HALL×2
MANOR ✓
HALLS
FLINT ✓
CARE
LEPRECORNS
HORN

TC43 is at ~~the nearest spot~~ height to the most northerly farm.

GRANGE
BARKERS
MOAT
WEST
LODGE
HOME
WOODLAND
CHASE
CARFIELD

PC9F is TC43 in grid square 0593?
PC9G does the route use grid square 0082?
PC9H is spot height 24 on the route?
PC9I does the route cross the railway in grid square 9687?
PC9J is spot height 53 on the route?

Link to TC44 at ENE045½ 958

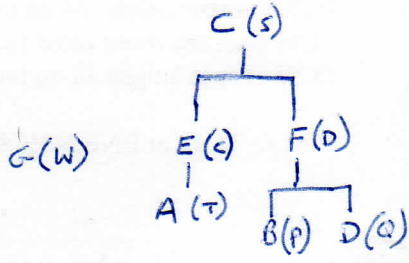
HILL
HALL ×2
MANOR ×3
~~MANOR~~
FLINT
~~MANOR~~
~~HALL~~
TOWN
FLINT HALL
UPHALL

TC44 ENE045½ 958 – TC45 The route to TC45 is defined by the following 7 grid references called Alf (035 960), Bert (956½ 960), Charlie (989¼ 960), David (944½ 960), Ernie (976 960), Fred (000½ 960) & George (020½ 960). The order in which they are to be visited are Tea Maker, Quality Manager, Welfare Officer, Pay Clerk, Driver, Cleaner and Security Manager. The relationship between Man and job can be gleaned from the following true statements: A D G B F E C

	Alf	1	My brother-in-law is a Welfare Officer
	Bert	1	My father's brother is George's sister's father-in-law
		2	My brother is a Quality Manager
	Charlie		Remains silent
✓	David	1	My father is a Driver
		2	Ernie's son is a Tea Maker
✓	Ernie	1	David's brother is a Pay Clerk
✓		2	My father is the Security manager
✓	Fred	1	My nephew is a Tea maker
	George	1	Bert is the Tea Maker's cousin

TC 45 is at the last point

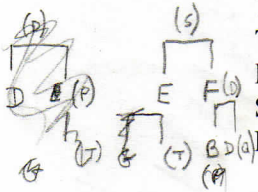
PC9K is TC45 approached from the WSW?
PC9L does the route use grid square 9892?
PC9M is grid reference 980 976 on the route?
PC9N is grid reference 010 964½ on the route?
PC9O is point 2 approached from the SSE?

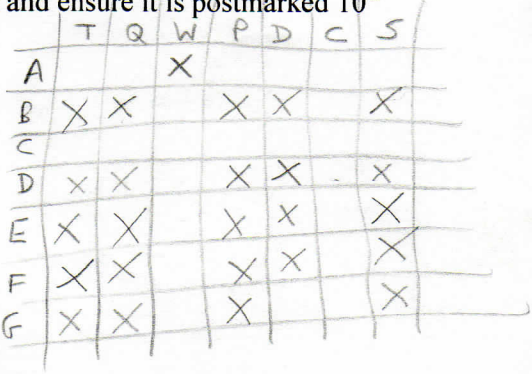


o o O o o

Don't forget to post your answer sheet and ensure it is postmarked 10th March or earlier. To:

Bob Thomas,
1 St Mary's Close,
Trimley St Mary,
Felixstowe,
Suffolk,
IP1 1 OTY





csma Ipswich Group Cultivator Home Table Top Rally 2004 Entry List

National Entrant

N1	Peter Lear
N2	Tony Hesp
N3	Paul Clothier
N4	"Crow"
N5	Anthony Davies
N6	Peter Robertson
N7	Alan Crabtree
N8	Clive Hodgson
N9	David Keetley
N10	Don Clarke
N11	Maurice Pinner
N12	Francis Tindall
N13	Mike Gardner
N14	Ernest Turnbull
N15	David Bell
N16	Dave Middleditch
N17	Ray Thear
N18	Alfred Winter
N19	Robert Owen
N20	Godfrey Nunn
N21	Brian Holmans
N22	Ken Cushen
N23	Lindsey Freeman
N24	Philip Senior
N25	Steve Barber

National Entrant

N26	David Bullman
N27	David Arkle
N28	Peter George
N29	Mitch Fielding
N30	Patrick Byrne
N31	Howard Simpson
N32	Lizzie Pope
N33	David Coles
N34	Stuart Lawrie
N35	Mick Wicks
N36	Steve Skepper
N37	Tony Mason
N38	Martin Rea
N39	Brian Burt
N40	Andrew Crocombe
N41	Brian Banks
N42	Colin Hensman
N43	Brian Johnson
N44	Malcolm Price
N45	Sarah Talbot
N46	Glynn Hayward
N47	Andrew Green
N48	Mick Lowe
N49	Gillian Goodlass
N50	Chris Towers

Beginner Entrant

B1	Mikki King
B2	Mr L Claydon
B3	John Curry
B4	Mark Jones
B5	Mr J Mould
B6	George Howell
B7	Mr P Curry
B8	Emma Lukey
B9	Arthur Houldershaw
B10	Lawrence Alderson
B11	Terri Jacobs
B12	Christine Grover
B13	Mr R Harrison
B14	Miss R Sly
B15	Colin Webber
B16	Paul Whiting
B17	Brian Ellis
B18	Jim Garrard
B19	Clare Abrey
B20	Roland Attwood
B21	Bob Lampitt
B22	Stephen Bridge
B23	Pete Stedman
B24	Carol Moulton
B25	Peter Smith

Beginner Entrant

B26	Jennifer Caines
B27	John Foster
B28	Bill Coney
B29	Dee Rampling Lee
B30	Ian Warren
B31	L Woodbury
B32	Tim Hassall
B33	Clive Buddle
B34	R Gibbs
B35	Eddie Taylor
B36	Martin Moore
B37	Brian Louth
B38	Chris Verity
B39	Mr D Wolton

6L

The Cultivator 2004 Answer Sheet

Name ..... "Crow" .....

Entry No. N4 .....

PC1a	Y	PC4a	Y	PC7a	Y
PC1b	N	PC4b	N	PC7b	N
PC1c	Y	PC4c	N	PC7c	Y
PC1d	Y	PC4d	Y	PC7d	N
PC1e	N	PC4e	N	PC7e	N
PC1f	N	PC4f	N	PC7f	N
PC1g	Y	PC4g	N	PC7g	Y
PC1h	N	PC4h	Y	PC7h	Y
PC1i	N	PC4i	N	PC7i	Y
PC1j	N	PC4j	Y	PC7j	N
PC1k	Y	PC4k	Y	PC7k	
PC1l	Y	PC4l	Y	PC7l	N
PC1m	N	PC4m	Y	PC7m	
PC1n	Y	PC4n	N	PC7n	
PC1o	Y	PC4o	Y	PC7o	
PC2a	Y	PC5a	N	PC8a	Y
PC2b	Y	PC5b	Y	PC8b	Y
PC2c	Y	PC5c	Y	PC8c	Y
PC2d	N	PC5d	Y	PC8d	Y
PC2e	Y	PC5e	Y	PC8e	Y
PC2f	Y	PC5f	Y	PC8f	N
PC2g	N	PC5g	Y	PC8g	N
PC2h	Y	PC5h	N	PC8h	N
PC2i	N	PC5i	N	PC8i	N
PC2j	Y	PC5j	N	PC8j	Y
PC2k	N	PC5k	N	PC8k	N
PC2l	N	PC5l	N	PC8l	N
PC2m	N	PC5m	Y	PC8m	Y
PC2n	N	PC5n	Y	PC8n	N
PC2o	Y	PC5o	N	PC8o	Y
PC3a	N	PC6a	N	PC9a	
PC3b	Y	PC6b	Y	PC9b	
PC3c	N	PC6c	Y	PC9c	
PC3d	Y	PC6d	N	PC9d	
PC3e	N	PC6e	Y	PC9e	
PC3f	Y	PC6f	Y	PC9f	
PC3g	N	PC6g	N	PC9g	
PC3h	Y	PC6h	Y	PC9h	
PC3i	Y	PC6i	Y	PC9i	
PC3j	Y	PC6j	N	PC9j	
PC3k	Y	PC6k	Y	PC9k	
PC3l	Y	PC6l	N	PC9l	
PC3m	N	PC6m	Y	PC9m	
PC3n	Y	PC6n	N	PC9n	
PC3o	Y	PC6o	N	PC9o	

Circled PCs see comments overleaf.

2a) —

2b) Slightly to the NNW? So answer could be N ✓

2d) Shortest route via triangle in Thrandeston, then Kiln Fm misses the map reference. ✓

2e) Could have been another YYY at the end?

2i) Tough call. I believe 27 in 1473 is just off route. If you disagree answer would be Y. ✓

2k) SH = 26

2l) Tricky. Your reference is on the (longer route) white loop on Eye airfield. I make it about 153 metres away from the route. If your measuring says < 150m then the answer is Y. ✓

3a-3e) Would junction 15 be ⊢ rather than ⊤

3l) Tio junction at 167945. Could be more N than NNW. If you agree the answer is N.

3o) Probably, though it is ever so slightly NNW. If that's your opinion, answer would be N.

4a) Three of them!

4b) It's not on the shortest route (via Flaxlands) BUT it is within 150m of the route at E 111935½ SSW. Not sure if this is a trick question. If it is, my answer would be Y.

4c) Spent ages measuring. Reckon the white loop is 0.49km and the yellow loop is 0.48km. If you disagree answer would be Y.

4h) On the basis of the order of crossings 03, 04, 16 the white parallel to the B1172 below Hethersett is in grid square 1504.

6d) Is there a missing junction @ 835½ 030¾. I think I see your intended route circling around "Great" but it needs the extra junction to fit.

6j) Do you mean 784032? Answer still N.

8l) This junction is not on the shortest route, however it is within 150m, so the answer is Y if this is your strict interpretation.

8o) Strictly speaking N but with the 150m tolerance? I think 849 721 (½) would be better.

8k) Nearest after last plot is 16, however if my partial route for section 7.3 is correct there will be a route clash!?

7k-7o) There are insufficient hours in a year to finish this. I always try to avoid the tracings section because I can never do the hardest one – this year no different. Got about 75% of them to fit, but gaps and missing bits didn't allow me to have a go at the answers except 7l, where I'm sure the route goes nowhere near 8784. Spent longer on this than the rest of the event.

Section 9

Cracked all three. Loved the third one – bit of lateral thinking and I was there. But plotting 2 and 3 a nightmare. Found loads of combinations of forms that fitted, but unsure which ones you intended. Scared about plotting 3 because I was convinced my shortest route wouldn't match yours!

Ipswich Group

1, St Mary's Close
Trimley St Mary
Felixstowe
IP11 0TY

csma
it pays to belong

"Crow"
Ivydene
Ulting Road
Hatfield Peverel
Essex
CM3 2LU

Dear "Crow"

May 2004

CULTIVATOR 2004

Thank you for entering the Cultivator 2004 and we congratulate you on coming 3rd in the National Event.

We are pleased to present you with the enclosed award of a cheque for £20.00.

We apologise again for the unavoidable delay in the dispatch of this year's results.

We are sorry about the problems with making your entry and enclose a free entry in the National event 2005 with our compliments.

The regulations for the 2005 Cultivator will be available from early in the new year and a set will be sent to you. We look forward to receiving your entry.

Yours sincerely

Bob Thomas

R J Thomas
Event Secretary

P05

Cultivator 2004

Results for the National Section

1st	Tony Mason	112 Pts.
2nd	Martin Rea	112 Pts.
3rd	"Crow"	110 Pts.

Next Best 10%

4th	Mitch Fielding	110 Pts.	7th	Dave Bell	107 Pts.
5th	Colin Hensman	108 Pts.	8th	Stuart Lawrie	105 Pts.
6th	Glynn Hayward	108 Pts.			

Next Best 5%

9th	Gillian Goodlass	104 Pts.	11th	Maurice Pinner	103 Pts.
10th	Alan Crabtree	104 Pts.			

12th	Andrew Green	102 Pts.	20th	Robert Owen	87 Pts.	28th	Ken Cushen	80 Pts.
13th	Peter Robertson	99 Pts.	21st	Dave Middleditch	86 Pts.	29th	David Coles	77 Pts.
14th	Mick Lowe	99 Pts.	22nd	Brian Johnson	86 Pts.	30th	Paul Clothier	77 Pts.
15th	Anthony Davies	96 Pts.	23rd	Peter Lear	83 Pts.	31st	Godfrey Nunn	77 Pts.
16th	Steve Barber	96 Pts.	24th	Francis Tindall	82 Pts.	32nd	Lindsey Freeman	64 Pts.
17th	Sarah Talbot	91 Pts.	25th	Steve Skepper	81 Pts.	33rd	Howard Simpson	51 Pts.
18th	Malcolm Price	89 Pts.	26th	Alfred Winter	81 Pts.	34th	Don Clarke	40 Pts.
19th	David Bulman	89 Pts.	27th	Clive Hodgson	80 Pts.	35th	Ernest Turnbull	30 Pts.

Results for the Beginners Section

1st	Ian Warren	76 Pts.
2nd	Mikki King	76 Pts.
3rd	Pete Smith	74 Pts.

Next Best 10%

4th	Bill Coney	73 Pts.	6th	John Curry	70 Pts.
5th	Brian Ellis	72 Pts.	7th	Dee Rampling Lee	70 Pts.

Next Best 5%

8th	Clive Buddle	70 Pts.	9th	Christine Grover	69 Pts.

10th	Mr L Woodbury	66 Pts.	15th	George Howell	49 Pts.	20th	Carol Moulton	19 Pts.
11th	Tim Hassall	65 Pts.	16th	Mr. L. Claydon	46 Pts.	21st	Colin Webber	14 Pts.
12th	Bob Lampitt	58 Pts.	17th	Jim Garrard	46 Pts.	22nd	Paul Whiting	7 Pts.
13th	Arthur Houldershaw	54 Pts.	18th	Martin Moore	45 Pts.	23rd	Roland Attwood	7 Pts.
14th	Eddie Taylor	52 Pts.	19th	Lawrence Alderson	41 Pts.			

Comments, Thanks, Answers and The Route.

The Cultivator 2004: Solutions

Congratulations to our winners, especially Ian who made the leap to the top from the bottom last year. Congratulations to our other prize winners and well done to everyone who maintained or improved on their result of last year, all the marks were higher this year.

Both the top positions and many of the lower ones were decided by invoking the "Furthest Cleanest Rule". Whilst entries in the National event were down a little, returned answer sheets remained the same. The Beginners entry was up slightly this year and the number of returned answer sheets doubled.

Your comments are very useful when we are making and we thank you for the help.

A former organiser has agreed to pit his wits against you next year so we hope to see you in 2005.

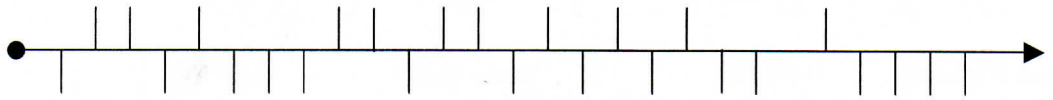
All entries in this year's event will be sent and regulations in January 2005.

Finally, we are sorry that ill health and a heavy work load slightly delayed the dispatch of these results.

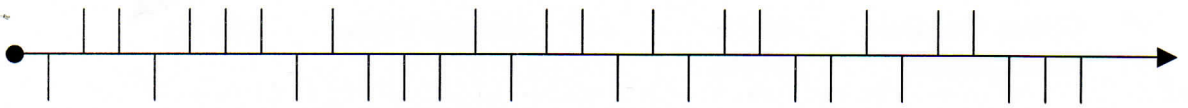
Tracings for all route cards can be found on page 7 onwards.

Section 1 - HERRINGBONES

TC1 919 700 – TC2 939 705 The 'bone was



TC2 939 705 – TC3 at 052½ 720¾ (spot height 67) The 'bone was up 1, down 2, down 4 and up3 giving:



TC4 SW 050 747 – TC5 at 096½ 746½ (spot height 52) The 'bone was up 3, down 1, up 4, up 2 and down 5, giving (complete with X roads):

Section 2 - JUNCTIONS

TC6 SW 080 768 – TC7 119¾ 735½

TC7 119¾ 735½ – TC8 at 128½ 741 The individual junctions were:

GGYW GGW GGYO YYY YYY YYY YYG GGY GGY YYY YYY YYW YYW YYW YYY YYY YYY YYY YYY YYW OOW OOY YYY OOY OOW OOY OOY OOO OOO OOW OOW OOW OOY YYW WWW WWW WWW WWW YYW

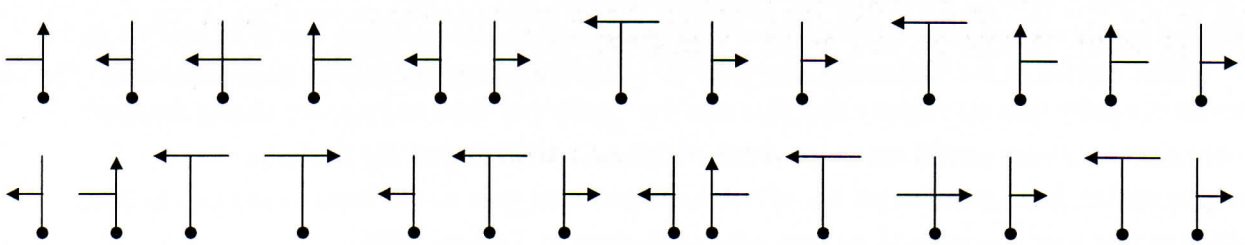
PC2I Spot height 27 was off the junction (that's why we used it)

TC9 126½ 751 – TC10 at 121 781½ (spot height 26) The individual, uncoded, junctions were GGW WWW WWW WWW WWWW WWW WWW WOO OOW WYY YYY YOO OOY OOY YYW YYY OOYY GGY GGO GGO OOO GGO GGW WWW WOO OOW OOY YYY YYY YGG GGY YYYY YGG YGGW YYY YYW WWWW WYY YYY YYY YYY YYY

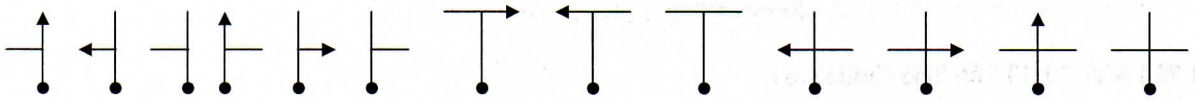
Section 3 - SCHEMATIC TULIPS

TC11 W 153 785 – TC12 121½ 847

TC12 121½ 847 – TC13 [142½ 951] The tulips, with directions of departure, were:



TC14 148 954½ – TC15 at 133½ 791 (spot height 23) The lettered tulips were.



Section 4 - GRID LINES

TC16 SSW 122 919 – TC17 139 002½ The in-order gird lines were: 92 92 13 92 93 93 13 93 12 11 10 94 10 95 11 96 96 12 96 13 97 13 98 99 13 13 00 13 00 00

TC17 139 002½ – TC18 at 113 077 The gird lines, in-order, were: 14 14 14 01 02 15 03 04 16 05 16 15 05 15 15 05 14 06 14 15 07 16 16 08 15 08 14 08 13 13 09 13 09 12 08

PC4H there was a route that did not use grid square 1504, but the shortest route did on a white road.

TC19 E100 092 – TC20 at 026 049 The uncoded in-order gird lines were : 09 09 08 08 07 07 06 06 06 06 07 07 08 07 09 09 06 08 07 05 06 05 05 05 04 04 04 04 05 04 05 03

Section 5 - GRID SQUARES

TC21 SW031 070½– TC22 943 077½ The uncoded in-order grid squares were: N E N W W E W S E W S W S E W W W S E W S N N W W S E S W N W N N E N N S W S W W]

TC22 943 077½ – TC23 (at 879¾ 040 The uncoded in-order grid squares were N W S W N N W W S E N S W S W N W N E W W S S S W S E E S S E S S W W N E N W N

PC5H was off route because the shortest route used the white at 893 094

TC24 E 862 043 – TC25 at 789½ 067 The uncoded in-order grid squares were :W N N E N W W W N W E E N E S E N W W W W N W S W W W E E E N E W S S N W S W W W E S S E W

PC's 5K & L were silly questions not noticed by the checkers!

Section 6 - DISTANCES

TC26 WSW 820 040 – TC27 873½ 999

TC27 873½ 999 – TC28 at 781 008¼

PC6J should have read 784 032, most noticed and answered correctly. However the default was No (because it did . not exist)

TC29 W 787½ 996 – TC30 at 840½ 916 The in-order distances between alternate junctions in mm were: 24 19 8½ 29 5 32 16 21 11 12½ 25 32½ 26 23 30 18½ 33]

Section 7 - TRACINGS

TC31 847½ 909¾ – TC32 784½ 939¾

TC32 784½ 939¾ – TC33 at 832½ 852½

PC7I silly question, it was about 4 grid squares away

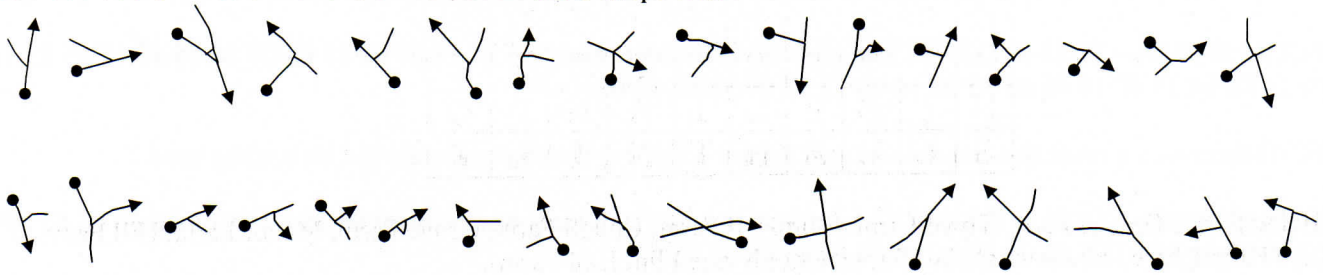
TC34 SE834 851 – TC35 at 798½ 782½

PC7L was about 3 grid squares away, another silly question

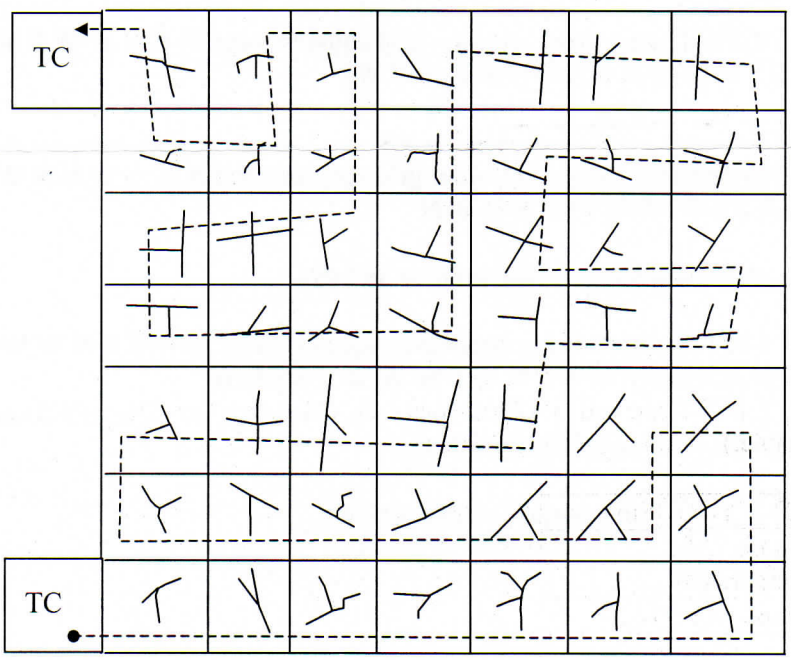
Section 8 - TULIPS

TC36 N 823 777 – TC37 860 708½

TC37 860 708½ – TC38 at 925½ 811½ The in-order tulips were:



TC39 ENE 900 795½ – TC40 at 864½ 808 The order was::



PC8K the nearest spot height was spot height 16 at 858 792½, however the white road at 860½ 792 was not given as a tulip. Therefore TC40 was at spot height 14 at 864½ 808

Section 9 - MISCELLANEOUS

TC41 N E920 836 – TC42 928 899

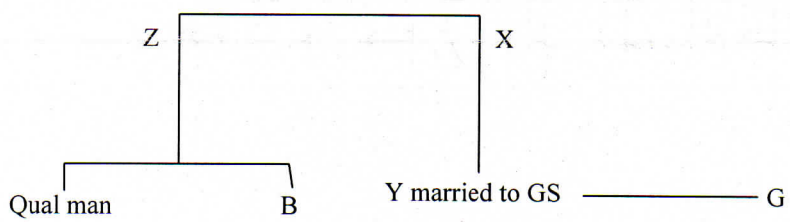
TC42 928 899 – TC43 [050½ 934½] The grid was

L	O	V	E	A	B	L	E	Y	**R**
E	A	A	R	T	R	O	P	**T**	**O**
P	**S**	**Y**	**E**	**L**	I	H	**O**	R	**N**
R	I	S	A	**L**	A	**W**	L	E	**A**
E	S	**G**	**R**	**A**	**N**	**G**	**E**	L	**M**
C	A	**R**	E	**H**	T	L	D	A	S
O	P	**O**	L	**P**	H	A	I	**H**	L
R	R	**V**	P	**U**	G	S	S	**I**	O
N	I	**E**	P	L	I	A	**N**	**L**	O
S	**L**	**L**	**A**	**H**	**T**	**N**	**I**	**L**	**F**

Giving Farms Grange Farm, Town Farm, Flint Hall Farm, Uphall Farm, Grove Farm, Manor Farm, Hill Farm & Leys Farm (there were several Hall farms but only one Flint Hall Farm)

TC44 ENE045½ 958 – TC45 at 976 959 to find the order

From B(i) and B(2) we can draw the following diagram:

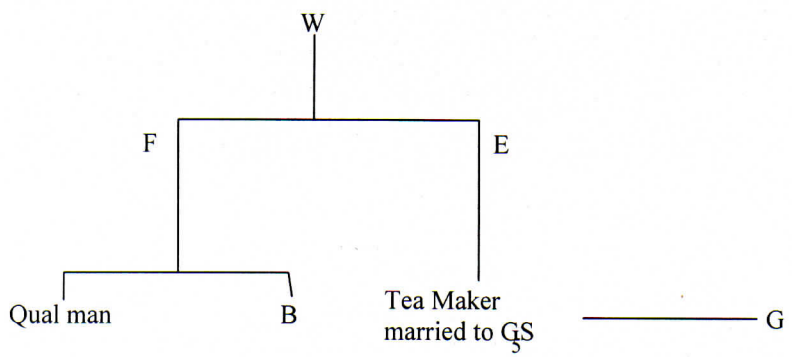


Z is B's father, X is Z's brother, Y is X's son and G's brother-in-law, GS stands for George's sister. (This diagram accounts for six of the seven people.)
Consider now:

G(i)	B is D-S's COUSin
D(2):	E's son is D-S.
E(2):	My father is W.
F(1):	My nephew is D-S.

The only combination that will fit these facts and the diagram is for Y to be D-S, for X to be E, for E's father (not represented in diagram, so that he must be the seventh man), to be W, and for Z to be F.

Our diagram now looks thus:



Consider E(1). There are two sets of brothers, E and F,
and Quality Manager and B. D and Pay Clerk cannot be E and F, therefore D must be Quality Manager and B must be Pay Clerk.
From D(1): F must be the Driver (For F is D's father).
From A(1): A must be tea Maker S, and G must be the Welfare Officer (there are no other brothers-in-law).
By elimination, E must be the Cleaner, and C must be the Security Manager.

Complete solution is therefore: Alf - Tea Maker, Bert - Pay Clerk; Charlie – Security Manager; David – Quality Manager, Ernie - Cleaner; Fred - Driver; George, Welfare Officer.

Charlie is the father of Ernie and Fred. Fred has two sons, Bert and David. Ernie's son, Alf is married to George's sister.

Note these answered have not been checked by anybody so I claim all the mistakes are mine!

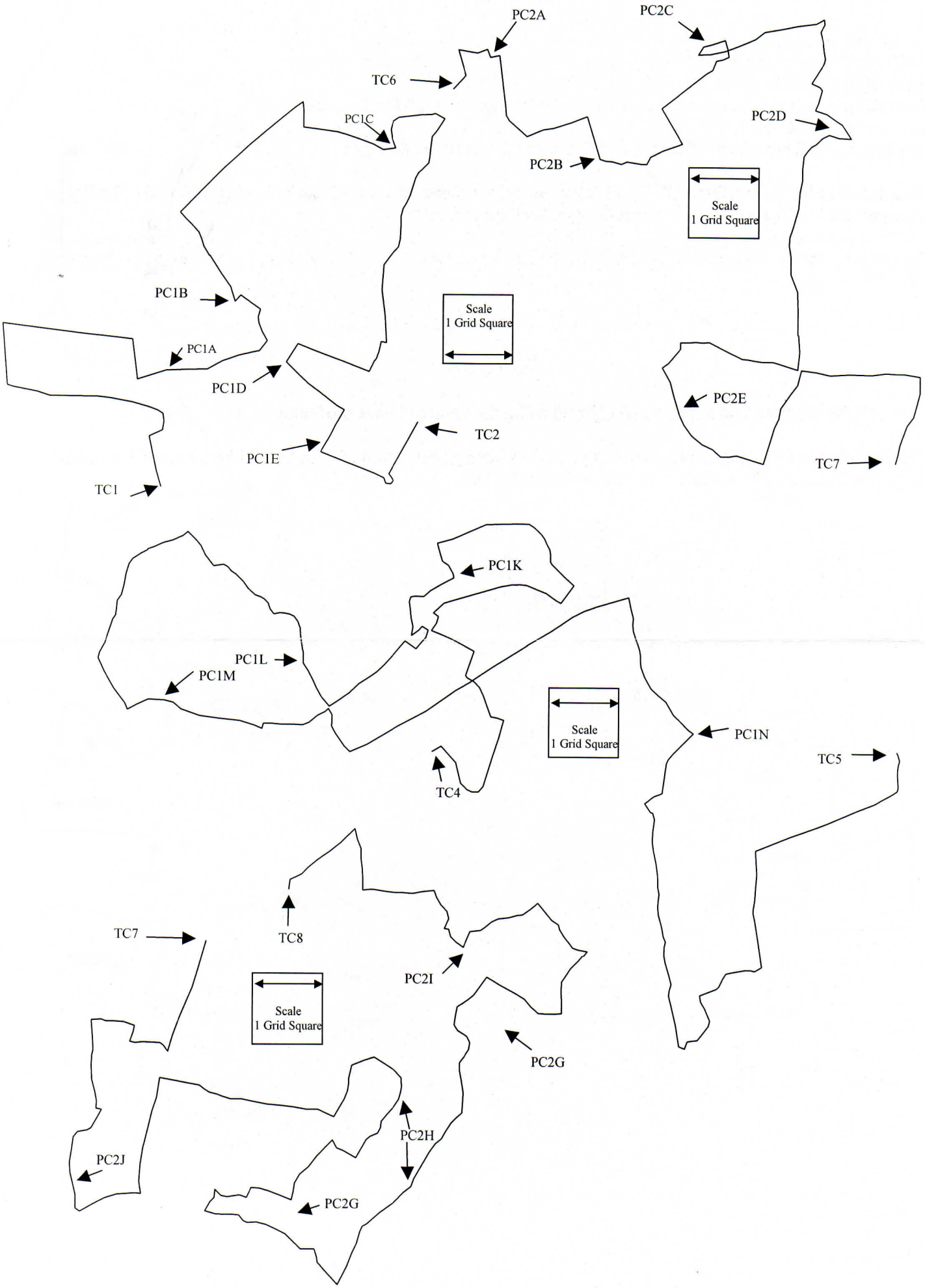
o o O o o

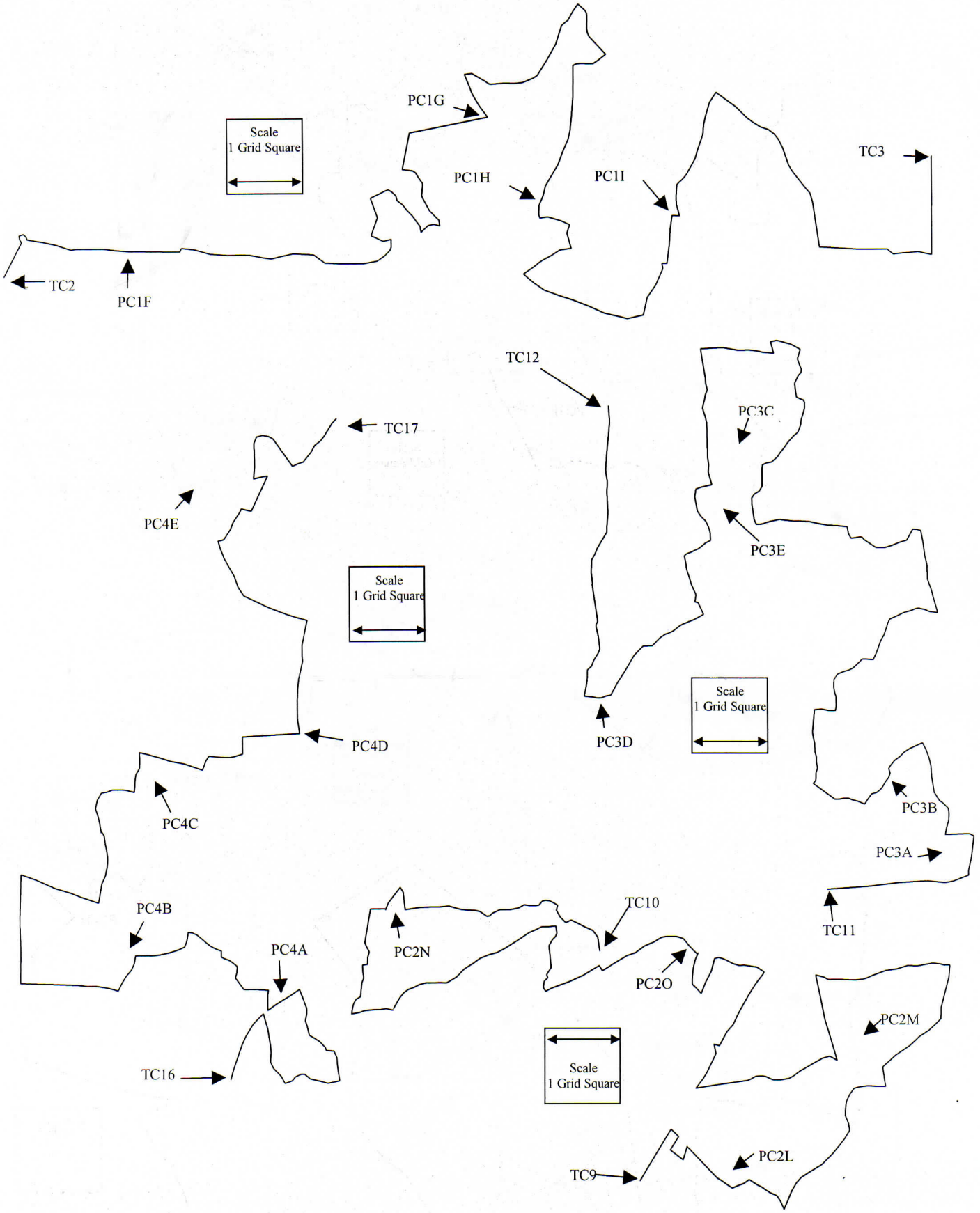
That's all for this year, I do hope you all enjoyed doing the event as I have producing it.

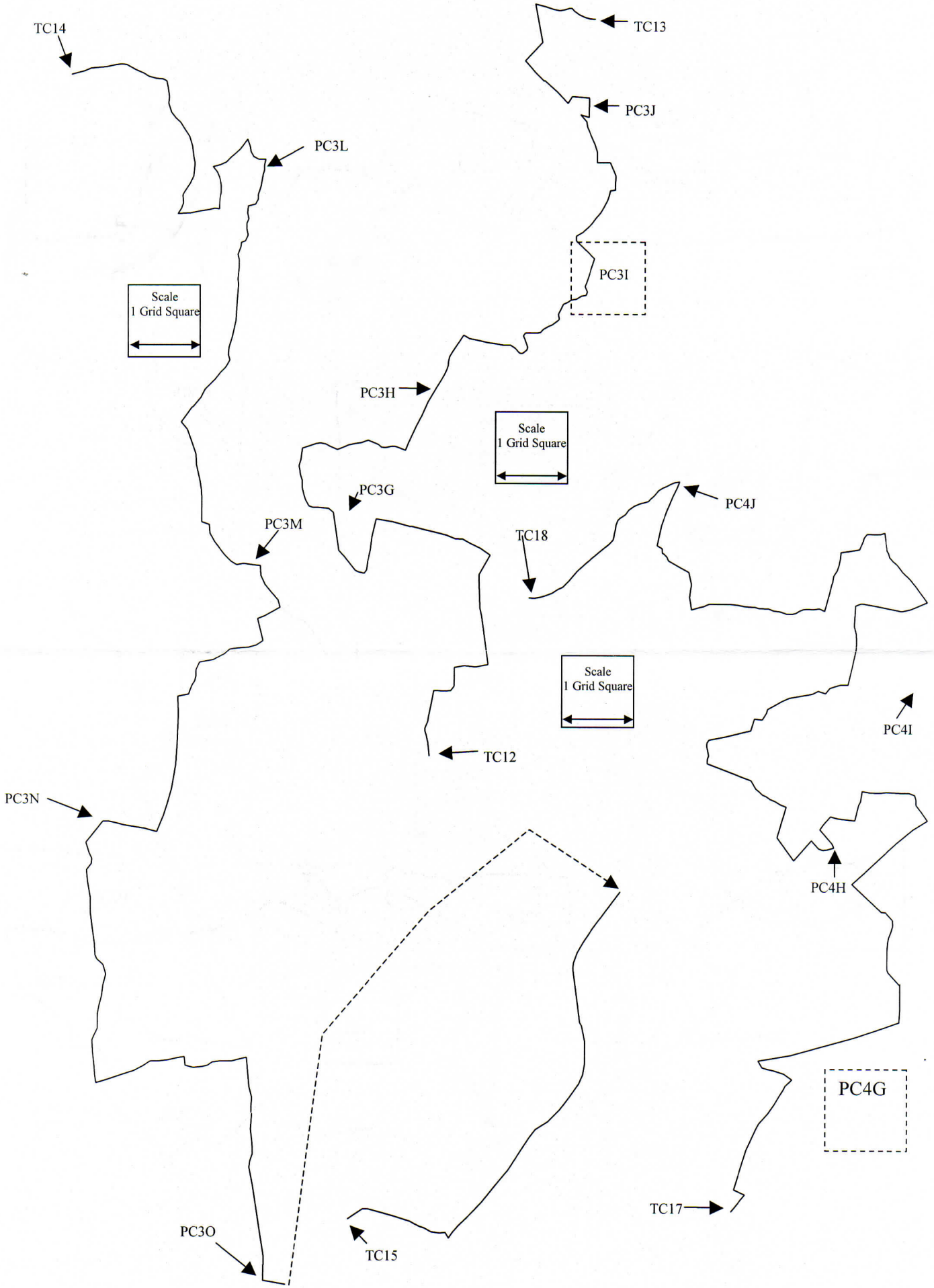
This is my last year of crossing romers with you all, as having been involved with the Cultivator practically every year since it started, I have decided to let somebody else have a go.

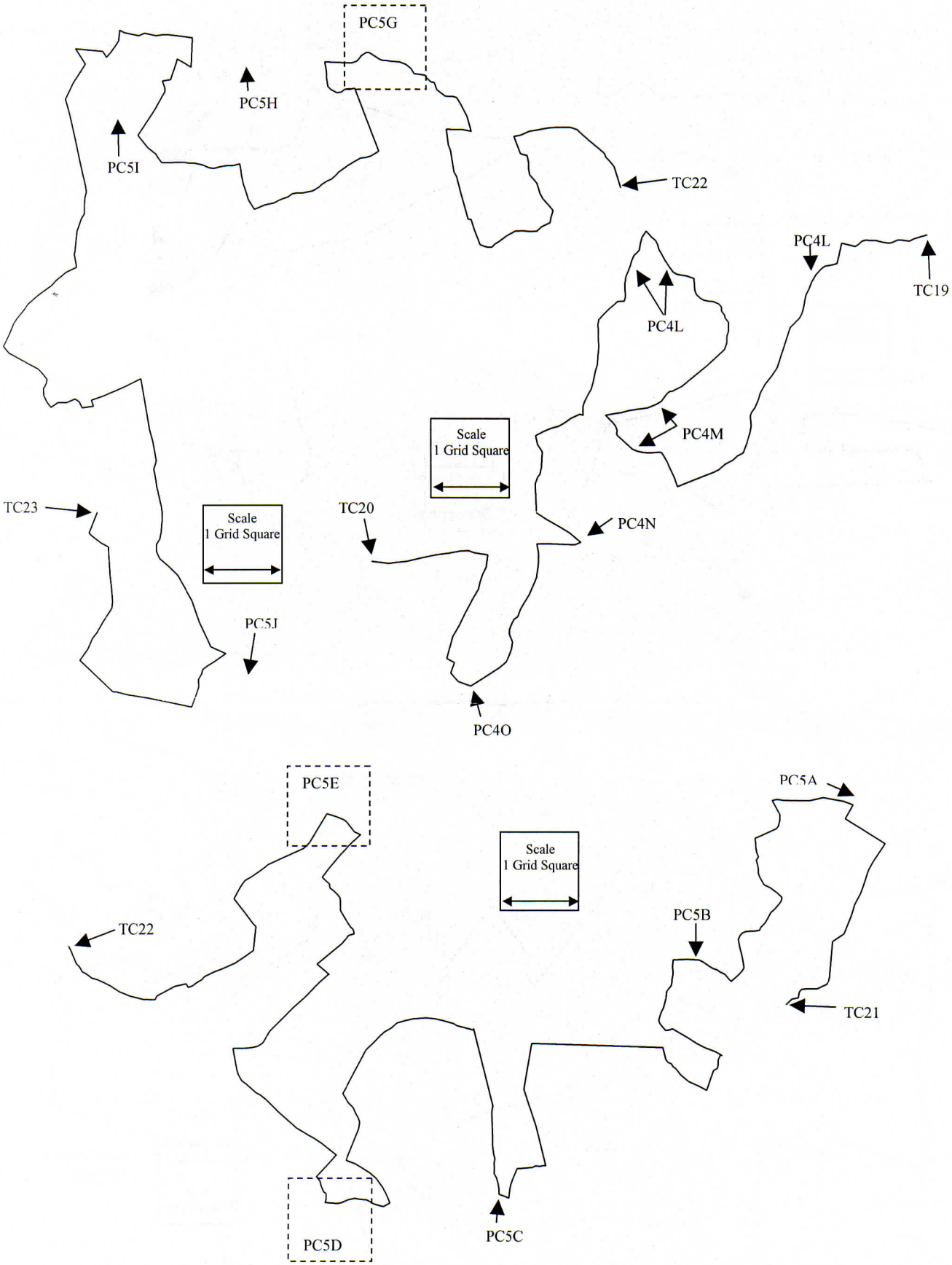
Therefore next years event will be under completely new management, except Bob without who's help and assistance nothing would ever get done.

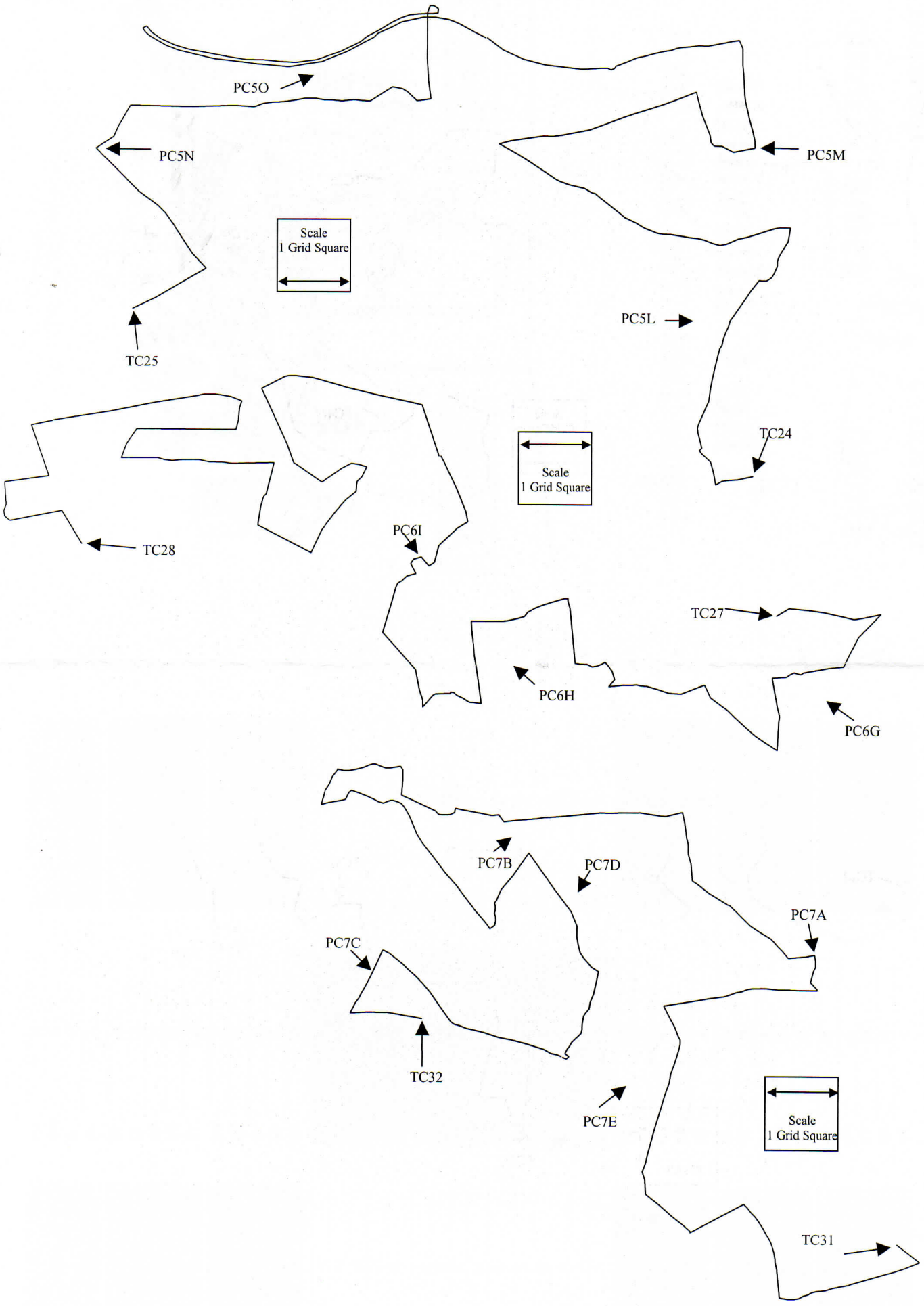
John Zoller


PC2A
PC2C
TC6
PC1C
PC2D
PC2B
Scale
1 Grid Square
PC1B
Scale
1 Grid Square
PC1A
PC1D
PC2E
TC2
PC1E
TC7
TC1
PC1K
PC1L
PC1M
Scale
1 Grid Square
PC1N
TC5
TC4
TC7
TC8
PC2I
Scale
1 Grid Square
PC2G
PC2H
PC2J
PC2G


PC1G
Scale
1 Grid Square
PC1H
PC1I
TC3
TC2
PC1F
TC12
PC3C
TC17
PC4E
PC3E
Scale
1 Grid Square
Scale
1 Grid Square
PC4D
PC3D
PC3B
PC4C
PC3A
PC4B
TC10
PC2N
TC11
PC4A
PC2O
PC2M
Scale
1 Grid Square
TC16
PC2L
TC9


TC14
TC13
PC3J
PC3L
PC3I
Scale
1 Grid Square
PC3H
Scale
1 Grid Square
PC3G
PC4J
PC3M
TC18
Scale
1 Grid Square
PC4I
TC12
PC3N
PC4H
PC4G
TC17
PC3O
TC15


PC5G
PC5H
PC5I
TC22
PC4L
PC4L
TC19
PC4M
Scale
1 Grid Square
TC23
Scale
1 Grid Square
TC20
PC4N
PC5J
PC4O
PC5E
PC5A
Scale
1 Grid Square
TC22
PC5B
TC21
PC5C
PC5D


PC5O
PC5N
PC5M
Scale
1 Grid Square
PC5L
TC25
TC24
Scale
1 Grid Square
PC6I
TC28
TC27
PC6H
PC6G
PC7B
PC7D
PC7A
PC7C
TC32
PC7E
Scale
1 Grid Square
TC31

ANSWERS

1a	Y
1b	N
1c	Y
1d	Y
1e	N
1f	N
1g	Y
1h	N
1i	N
1j	N
1k	Y
1l	Y
1m	N
1n	Y
1o	Y
2a	Y
2b	Y
2c	Y
2d	N
2e	Y
2f	Y
2g	N
2h	Y
2i	N
2j	Y
2k	N
2l	N
2m	N
2n	N
2o	Y
3a	N
3b	Y
3c	N
3d	Y
3e	N
3f	Y
3g	N
3h	Y
3i	Y
3j	Y
3k	Y
3l	Y
3m	N
3n	Y

4a	Y
4b	N
4c	N
4d	Y
4e	N
4f	N
4g	N
4h	Y
4i	N
4j	Y
4k	Y
4l	Y
4m	Y
4n	N
4o	Y
5a	N
5b	Y
5c	Y
5d	Y
5e	Y
5f	Y
5g	Y
5h	N
5i	N
5j	N
5k	N
5l	N
5m	Y
5n	Y
5o	N
6a	N
6b	Y
6c	Y
6g	N
6e	Y
6f	Y
6g	N
6h	N
6i	Y
6j	N
6k	Y
6l	N
6m	Y
6n	N

7a	Y
7b	N
7c	Y
7d	N
7e	N
7f	N
7g	Y
7h	Y
7i	Y
7j	N
7k	Y
7l	N
7m	N
7n	N
7o	Y
8a	Y
8b	Y
8c	Y
8d	Y
8e	Y
8f	N
8g	N
8h	N
8i	N
8j	Y
8k	Y
8l	N
8m	Y
8n	N
8o	Y
9a	N
9b	Y
9c	Y
9d	Y
9e	N
9f	Y
9g	Y
9h	Y
9i	N
9j	N
9k	Y
9l	N
9m	N
9n	N