

SALLY FORTH

Western District Newsletter

May & June 2014



Diary of Events

May			
Friday 2 nd	Basic 8 Bell Practice	Felpham	7.30pm
Saturday 3 rd	Beginners & Improvers Practice - contact Christine first on 01903 872623	Washington	9.30am
Wednesday 7 th	Codgers	Shipley Horsham	11.00am - 12.15pm 2.00pm - 3.30pm
Saturday 10 th	SCACR Annual General Meeting	Uckfield	
Friday 16 th	General 8 Bell Practice	Arundel	7.30pm
Saturday 24 th	Surprise Minor Practice	Walberton	10.30am
June			
Wednesday 4 th	Codgers Outing	East Sussex	
Friday 6 th	Basic 8 Bell Practice	Felpham	7.30pm
Saturday 7 th	Beginners & Improvers Practice - contact Christine first on 01903 872623	Washington	9.30am
Saturday 14 th	Walk and Ring (<i>please note new date</i>) (<i>Details on page 7</i>)	Petworth – Lodsworth	10am
Friday 20 th	General 8 Bell Practice	Arundel	7.30pm
Saturday 28 th	Surprise Minor Practice	Walberton	10.30am

SCACR ANNUAL GENERAL MEETING

Saturday 10th May 2014

UCKFIELD

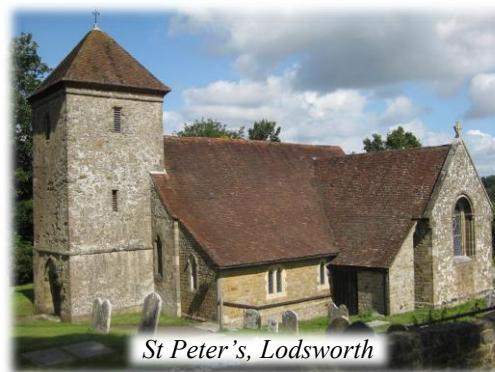
10am - 11am	Ringling at	St Mary's, Barcombe
10.30am - 11.30am		St Michael & All Angels, Little Horsted
11am - 12 noon		St Bartholomew's, Maresfield
12.30pm - 1.30pm	Lunch at	The Belmont Centre, Uckfield
2pm - 4pm		Annual General Meeting
4pm	Ringling at	Church of the Holy Cross, Uckfield
5pm		Service

Buffet lunch **must be booked by midnight on Wednesday 7th May at the latest.** Please contact Clare Cullen at sec-south@scacr.org or telephone 01273 474114.

The Belmont Centre is next to the church in Uckfield. Car parking is in the Luxford Field car park, access from the High Street via Library Way.
TN22 1AR

Many thanks to everyone who sent in items for the newsletter. Your input is greatly appreciated.

Please send your contributions for the next newsletter to us at our gmail address, as before, or via news-west@scacr.org by 15th June 2014. Thank you.



St Peter's, Lodsworth

Ringers of all abilities are welcome to all practices, so do please come along

Regular Practices

Beginners & Improvers Practice - contact Christine first	1 st Saturday of every month	Christine Butterfield	01903 872623
Surprise Minor Practice	4 th Saturday of every month	John Taylor	01903 745477
Basic 8 Bell Practice	1 st Friday of every month	Colin Spencer	01243 824952
General 8 Bell Practice	3 rd Friday of every month	Colin Spencer	01243 824952
Codgers Practice	1 st Wednesday of every month	Mike Foster codgers@scacr.org	01903 741664

Looking Ahead

12th July 2014

9th August 2014

6th September 2014

13th September 2014

25th October 2014

31st October – 1st November

8th November 2014

13th December 2014

Association Treasure Hunt and Fun Striking Competition at Alfriston

Morning practice at Angmering (tbc)

Ringing Roadshow at Newbury Racecourse – see <http://cccbr.org.uk/pr/roadshow/>

Afternoon practice at South Harting, followed by an evening ring at Rogate (tbc)

Association Social – Ringing at Steyning and Washington, followed by a fish & chip tea and Shuffleboard at Pulborough Village Hall

SCACR Ringing Course

Half-muffled practice at Wisborough Green (tbc)

Carol Service at Petworth (tbc)

Master's Mutterings - *Graham Hills*

Postage has just gone up yet again! I know most of you get Sally Forth and other communications by e-mail, but approximately 120 copies have to be printed to be sent out by post to those of you who do not have e-mail capability. If any of those 120 is now able to receive communications by e-mail, or if by chance you get it both ways, please contact Jack Burton to let him know your details, thereby assisting with saving the association a lot in printing, packaging and postage costs. Also, the e-mailed version is in colour, and there are often other notices which can only be sent out by electronic means.

Unfortunately there are quite often occasions when the times and places for various practices have to be changed, therefore do please check the SCACR website calendar regularly, as we do our best to keep it up to date.

March saw the Western Division Striking Contest at Funtington, with Bill Harris from Portsmouth Cathedral agreeing to be the judge. Up to now, we have always held our Call Change Competition in March and the Method Competition in September. However, September last year turned out to be not so good as only one team entered and I could not find a judge. There was just too much happening. Therefore, this year we ran both Method and Call Change Competitions in the morning as there was the Young Persons Ringing Event at Shipley in the afternoon.

Only 2 teams entered the Method Competition, with Westbourne being declared the winner. The Call Change Competition was won by Steyning, and 4 teams entered. A good morning was had by all, as there was plenty of room in the church hall to mingle and talk with others. It was then a case of finding somewhere to have lunch before continuing to Shipley for the Young Persons afternoon, which was a great success.

I expect a fair few of you remember me talking about a ringing course that I led at Wisborough Green about 18 months ago. Well, I've just started another one, this time at Amberley, and the 5 people who want to learn to ring all come from within the Wild Brooks Group of Parishes. So far all is going well, with Christine Butterfield helping me, and Elizabeth from Amberley keeping us supplied with coffee.

Thinking of the course at Wisborough Green reminded me of the late Mike Gilbey from Rudgwick, who used to come and help me. There were a great number of people at his funeral, which just goes to show how much he was loved and respected.



Call Change Competition Winners – Steyning



Jack Burton receives the trophy for Westbourne, winners of the Method Striking Competition



Kay Knowles and Anne Maddock, who kindly kept everyone supplied with refreshments during the striking competitions

This is the last newsletter before the Association's AGM on 10th May at Uckfield, so if you want to have your say about anything to do with the association, don't forget to go along. Details are the front page of this newsletter and on the Association website.

Scratchings from the Secretary – Jack Burton

All the yellow subscription forms have now been accounted for and the amendments to tower details incorporated into the draft of the new Association Report, which will be published in time for the AGM.

The last General Committee meeting was at Hurstpierpoint in early March. It followed the usual format with reports from the various officers and nominations for the (re)election of the General Officers at the AGM. The Association Treasurer, Val Burgess, is standing down this year and the nomination for her relief is Sue Gadd of Steyning. Val has been a tower of strength to the Association during her long tenure as Treasurer. She will be a hard act to follow and leaves with all the very best wishes of all her ringing friends. The various reports tabled at the meeting will appear in the new report

By far the most significant item on the agenda for the committee meeting was the final output from the future 'Vision' group. This took the form of a proposal to adopt their amendments to the rules. All the work of the group has been condensed into a series of rule changes which describe the future of the Association. It is believed that this will also be the way that the members at the AGM will be asked to accept the changes. The changes to the rules, if anything, relax the more formal control of the Association and the way we have been doing business in the past. There will be some title changes and the way various sub-committees are established will also change. The most significant thing is that the fundamental existence, size and composition of the Divisions will remain. If anything their autonomy has increased since how they do their business and how they elect their managing committees, etcetera is now left to them with no specific direction in the rules. The rules do state that a Secretary must be elected at the ADM, and with one other member, will be the formal district representation at the General Committee.

As to the name changes, the present Divisions, although remaining as they are, will be called Districts and the work of the present General Sub-committees of education etc will be conducted by four new teams. One of these teams will be responsible for Bell Restoration and Maintenance as at present and the current structure of this group will remain unchanged.

One change will be the way new members join the Association. No longer will they be elected at an ADM or Business meeting. To join all they will have to do is complete the proposal form, obtain signatures of a proposer and seconder and pass the form to their District Secretary. Once he has processed the form and had their details entered on the database, they are members.

The interpretation of the new rules outlined above, if adopted at the AGM, leave the Divisions (now Districts) in the same form and size as they are at present and are left to manage themselves with co-ordination and direction being vested in the General Committee as at present. The creation of "Hubs" within the districts is 'to be encouraged and supported' according to the new rules. Once, and if, adopted, the Secretary will be looking into this subject and ask for help in how we can incorporate what we have at the moment and go on to form these groupings of towers. That is a subject for a later "Scratchings" by the Secretary.

Away from the proposed changes and on to the more mundane, but nevertheless important administration front, there is to be the annual Ringing Course on 31st October and 1st November, but for this year there will be no tea on completion at Hurstpierpoint on the Saturday. There is to be a Ringing Seminar on Teaching also at Hurstpierpoint on 20th June, at which the practise and theory of teaching will be discussed. Finally, at the two shows of the year; the Association will be at the South of England Show as last year but there will be no SCACR stand at the Ringing Roadshow at Newbury in September.

All that remains is for me to encourage all members to attend and vote on the new rules at the AGM at Uckfield on Saturday 10th May at 2pm.

Arundel News – Teresa Kendall

At last we have been given the "go-ahead" to fund raise, so we can repair the bells at St Nicholas. We will be kicking off with Afternoon Teas at St Nicholas this Easter Monday, from 2.00pm to 4.00pm.

I am also doing a 'Fascinator Workshop' at St Nicholas on the 17th May - cost £60.00. This covers fabrics and lunch, with all profits going to the bell fund. If you are interested, please give me a call (01903 883049) as places are limited. Have a look at my website "Teresa Kendall Millinery".

We are in the process of putting a fundraising pack together and are looking to raise approx. £12,000. If you say it quickly it doesn't sound so bad!!! However, if you come to ringing practice at St Nicholas put a little extra cash in your pocket as we will be having a raffle each time, and to start with we have 2 tickets for Goodwood Races on 22nd May 2014 in the Richmond Enclosure. How good is that!

As soon as I have more, you will all be the first to know.

A new event for the Association

A SEMINAR/DISCUSSION MEETING for anyone who has responsibility for, or an interest in, organising ringing.

We especially hope that **Tower Captains** will come along, but anyone interested is welcome.

This will take place on **FRIDAY 20TH JUNE 7pm to 9pm** at **Hurstpierpoint Village Centre**.

There will be presentations on the following topics, followed by questions and answers:

- Top tips for running a successful ringing practice
- Teaching techniques and resources
- Recruitment and retention of ringers
- Tower maintenance and ensuring a safe environment
- Communicating with your Vicar and PCC.

Please let me know if you would like to attend, or want further information, so that enough refreshments can be provided (wine, juice, nibbles) Anne Franklin 01273 813189 education@scacr.org

Something on clapping! – *Geoff Rix*

Ever wondered about why some bells always tend to go up “wrong” whilst others never seem to be a problem? Well it’s to do with the relative periods of swing of the clapper and the bell. A bell ringing “right” means that the clapper catches up with the bell and strikes on the bells leading, edge whilst “wrong” means that the bell catches up to the clapper!

There was an article in the RW back in 1966 (ref.1) on this and quite a lot of mathematical thought has gone into it since that time (ref.2). The findings were that three measurements determine whether a bell will ring “right” or “wrong”. These are the distance between the clapper pivot point and the axis about which the bell swings. (This can be determined by measuring both to a convenient point, maybe bellchamber floor. The difference between them is this measurement which we will call “r”. This is sometimes called the “throw”.)

Then we need the time of swing for the bell and the clapper. (Time each through a small arc, say 10° either side of the vertical. Time this for 10 or 20 swings to give a good average, remember to start at zero not 1!) The bell swing time we will term T_b and that for the clapper as T_c . Remembering our old physics lessons about time of swing of a pendulum and the equation $T=2\pi\sqrt{l/g}$ and we can calculate the comparable length of a simple pendulum having the same time of swing as the bell and the clapper.

Being bellringers, we will stay with inches and feet/sec² (although, because the final number is dimensionless it doesn’t really matter which system one chooses). This “effective” length is then given as follows:
“Lb” for bell by ‘ $T_b \times T_b \times 9.77$ ’ and “Lc” for clapper by ‘ $T_c \times T_c \times 9.77$ ’.

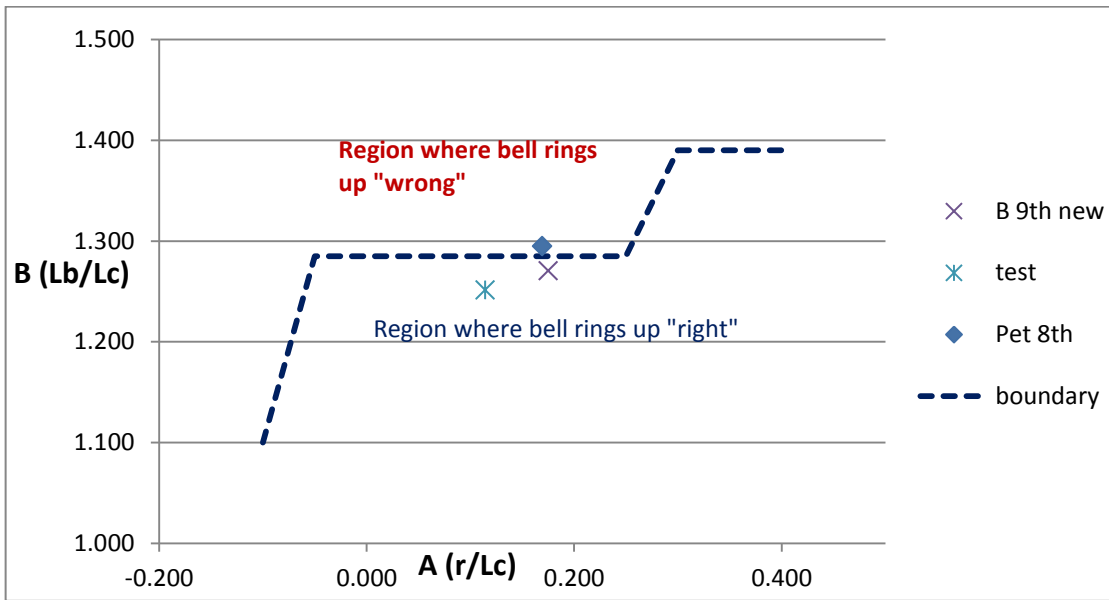
Some examples may now help:

		Pet 8th	B 9th old	B 9th new
Throw	r (in)	5.00	5.12	5.12
Time - bell	sec T_b	1.98	1.95	1.95
Time - clapper	sec T_c	1.74	1.67	1.73
Bell - equiv length	Lb	38.30	37.15	37.15
Clapper - equiv. length	Lc	29.58	27.25	29.24
A	r/Lc	0.169	0.188	0.175
B	Lb/Lc	1.295	1.363	1.271

The most important figure is then “B”, i.e. the result of Lb/Lc and it seems this needs to be less than about 1.29 for the bell to rung up “right” easily. The relationship “A” of clapper throw and clapper length doesn’t have too much effect.

Petworth tenor is very difficult to get up right at 1.295. Brighton 9th was also very difficult (1.363) but after the clapper broke it was replaced with a composite one, i.e. a polymeric stem which is lighter than the old wrought iron and this means that the actual swing time is closer to that of the simple pendulum and this gave B as 1.271 – and I am told it now rings up right quite easily.

There is an interesting article that has a relation to this clapping (see ref.2) and in particular provides a graph (no 16b) using the relationship between “A” and “B” and shows this dividing line between ease of ringing up right and when a bell will tend to go up “wrong”. (Don’t be put off by the maths. I didn’t understand them either!)



References

1. The Clapping of a Bell by F.H.King, J.W.McClenahan, and B.D.Threlfal, The Ringing World, vol. 61, no. 2846, p. 744, 1965. Nov.5th.
2. The Dynamics of a Ringing Church Bell by J. Woodhouse, J. C. Rene, C. S. Hall, L. T. W. Smith, F. H. King, and J. W. McClenahan. October 2012. <http://www.hindawi.com/journals/aav/2012/681787/>. (This can also be found via <http://www.ringing.info/>. Change Ringing resources.)

With thanks to Hugh Pettifer for providing much useful information.

Young Ringers get-together in the West

Thirteen young ringers from across Sussex had a very enjoyable afternoon on Saturday 15th March when they took the opportunity to meet up and ring together at Shipley. The event, arranged by Sue Gadd, was a great success and a number of new young faces came along who hadn't been to one of these get-togethers before.

Those not ringing tower bells were taught handbell ringing, and some, who had never touched a bell rope, were given encouragement to have a go on the dumb bell. And, as well as ringing, and drinks, pizza and cakes to demolish, the young ringers were taken up and shown the bells (there is plenty of space to do this safely at Shipley), and got a bird's-eye view from the roof of the tower.



back row – Josh, Samuel, Sam, Archie, Alex and Rebecca
 front row – Katharine, Jonathan, Matt, Rachel and William
 (not in the picture – Ollie and Andrew)



(Photos by Kathy Howard)

Petworth Ringers Outing - March 2014 – Geoff Rix

Our Spring outing this year was to Portsmouth. Starting at St Mary's, Portsea, built in the latter part of the 19C, with its impressive tower, and a lovely sounding peal of 8 bells cast by John Taylor in 1933. A stiff climb to the ringing chamber though, with 73 steps, but well worth the effort and we had some enjoyable ringing. The church also has a very fine Walker organ, so a good musical heritage to start the day.



Our next call was Portsmouth Cathedral, a lovely building, and now possessing a very fine ring of 12 bells. The original 8 were cast in 1912, then 2 more bells added in 1957 and finally in 2009 the two trebles added to make the 12. All the bells have been cast at the Taylors foundry in Loughborough. It may have been a daunting experience for some of our ringers, with their first experience of 12 bells, but they did well and we had some nice call changes.



Lunch was at the Still & West pub, with a table looking across the harbour to the slender campanile of Gosport church. It's hard to imagine that this once contained a 9cwt ring of 8. Our table was upstairs and right over the water so it looked like the loW car ferry was coming in for a drink. The sun shone and it was a really picturesque view. Food was good as well!



After this much needed refreshment, our next visit was to a very interesting church. St Agatha's at Landport is part of the Personal Ordinariate of Our Lady Of Walsingham, and adheres to the Catechism of the Catholic Church. There is a recently installed peal of 8 bells, with a very light tenor of 3cwt. Compare this to the Cathedral tenor of 25cwt or Portsea at 18cwt. and this made ringing here an experience in itself. If



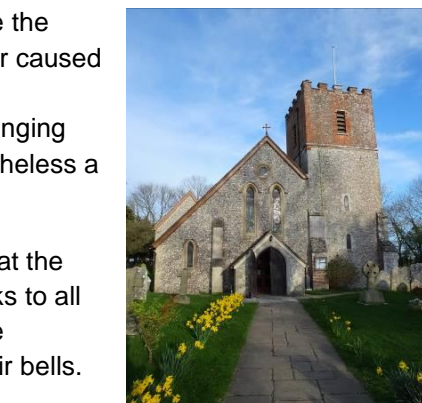
one is in Portsmouth the building itself is well worth a visit with some wonderful painting and interesting exhibits.

Our next visit was to ring on the very pleasant peal of 6 at Purbrook. These bells were cast in 1998 and installed in time for the Millennium and gave us some good ringing.



Our final stop was Catherington, where the ladder like stairs to the ringing chamber caused a little consternation and then some "eccentricities" of the bellropes made ringing here somewhat memorable, but nevertheless a good end to the ringing of the day.

A fine day was completed with a meal at the Hampshire Hog at Clandon. Our thanks to all who came and supported us and to the churches for allowing us the use of their bells.



(Photos by John Bojanowski)

NEWS FROM THE SCA LIBRARY – Stella Bianco

The Open Morning attracted 15 people interested in Alan Seymour's WW1 Sussex Roll of Honour and his research.

The Horsham and Warnham ringers discussed the confusion over the Warnham ringers, who doubled as Horsham ringers, pre- and post- WW1, as Horsham tower was unaffiliated to the Association from c1909 'til c1926.

Alan Baldock brought along his personal Annual Reports for 1914-18 and revealed the discovery of more names. The peal pages are missing from some of the Library copies of the annual reports, so this was important!

The other popular topic was about when ladies started to ring, so Rosemary Cox was able to promote The Ladies' Guild and Margaret Oram looked up a peal in the History of the Ladies' Guild that she'd rung in 1966.

The buzz of conversation increased considerably before we broke for Judy's homemade soup and a ploughman's lunch.

The Library now holds DVDs of The Bell News 1881-1915, The Ringing World 1911-1970 and Annual Reports from 1885 to date, should you wish to discover more about your home tower and its ringers - tel: 01403 740010

Email: scb@biancoteam.com



WALK AND RING – SATURDAY 14th JUNE 2014



10am - 10.45am Ringing Practice at St Mary's, **Petworth** – coffee

11am Walk to **Lodsworth** *Approximately 2 hours*

1pm – 2pm Lunch at the Hollist Arms in Lodsworth, or bring your own picnic

2pm – 2.45pm Ringing Practice at St Peter's, Lodsworth

There may then be a visit to Langham Brewery from 3pm - 4.15pm (tbc)

Any queries please contact Christine Butterfield 01903 872623



Quarter Peals

St Michael's, Northchapel

19th February 2014

720 CCC1820 named Northchapel Delight Minor and 540 Plain Bob Minor

- 1 Graham Hills
- 2 Geoff Rix
- 3 Brian Underwood
- 4 Paul Bagshaw
- 5 Phil Down
- 6 Andrew Barnsdale (C)

St Mary's, Storrington

23rd February 2014

1260 Mixed Doubles (Reverse Canterbury, Clifford's Pleasure, Plain Bob, April Day, and Grandsire)

- 1 Emily Boorman
- 2 Sheila R Foster
- 3 Michael G Foster
- 4 A John Taylor
- 5 Nigel Boorman (C)
- 6 Ian Wadey

Rung to mark the retirement of the Rev. J Malcolm Acheson and family.

St Mary's, Fittleworth

28th February 2014

1296 Cambridge S. Minor

- 1 Bill Avenell
- 2 Susan Spencer
- 3 Colin Spencer (C)
- 4 Ruth Brown
- 5 Hamish McNaughton
- 6 Peter Wilkinson

Cathedral Church of the Holy Trinity, Chichester

1st March 2014

- 1280 Rutland S. Major
- 1 Keith Game
- 2 Colin Spencer
- 3 Alison Hunt
- 4 Jane Deadman
- 5 Hamish McNaughton (C)
- 6 Phil Down
- 7 Ian Hunt
- 8 Nick Deadman

St Andrew's, West Tarring

2nd March 2014

- 1260 Grandsire Doubles
- 1 Gillian Green
- 2 Jo Cheng
- 3 Brenda Cox
- 4 Moya Hills
- 5 Graham Hills (C)
- 6 Clare Mann

Rung as a retirement compliment to Father Edward Jervis, after 28 years of service in the Parish.

St Mary's, Storrington

7th March 2014

1260 Grandsire Doubles

- 1 Christine Butterfield
- 2 Katherine P. Davies
- 3 Laura Wadey*
- 4 Alan J. Taylor
- 5 Nigel Boorman (C)
- 6 Richard Bland

Rung to celebrate John Tunnell's 80th birthday.

*First quarter of Grandsire inside

St John the Baptist's, Kirdford

13th March 2014

720 CCC1817 named Kirdford Delight Minor and

- 540 Plain Bob Minor
- 1 Graham Hills
- 2 Paul Bagshaw
- 3 Brian Underwood
- 4 Phil Down
- 5 Geoff Rix
- 6 Andrew Barnsdale (C)

St Mary's, Pulborough

12th April 2014

1260 Grandsire Triples

- 1 Zara Bampton
- 2 Brenda J Etherington
- 3 Linda J Etherington
- 4 Graham D Heath
- 5 Mike R Etherington
- 6 Ronald E Stillwell
- 7 Mike A Birkbeck (C)
- 8 Simon King

Rung to celebrate Linda's 50th birthday, with best wishes from the band.

Association Treasure Hunt and Fun Striking Competition ALFRISTON - 12th JULY 2014 – 11am to 5pm

The striking competition is for individuals to come along and have fun. Teams will be selected randomly "out of the hat".

- **Call Change and Change Ringing Competitions** – Judges: 2 Junior Members, 1 French Person and 2 Houses
11am - 1pm Open Ringing
1.30pm Deadline for Striking Competition entries
2pm - 5pm Striking Competitions (allocated time slots)
- **Treasure Hunt** – running throughout the day
- **Bell Meadow Mini Ring** (weather permitting)
- **All day refreshments, including Ploughman's Lunch**
- **Handbell Ringing**
- **Ringing Exhibition**
- **National Trust Clergy House** (normal charges apply)



Come along and have a fun day! Further information available from Linda Perkins lindaperkins151@aol.com
or Pauline Kennard Pauline.kennard@googlemail.com

Ed-Twitters

It doesn't seem very long ago that I was wishing you all a very "Happy Christmas" and here I am already wishing you a very "Happy Easter". No doubt all of you are happy that spring seems to have finally arrived. I hope you are all enjoying the lovely sunshine and that it hasn't disappeared before you read this.

In the last edition of Sally Forth I set you all a little anagram quiz. How did you get on? I hope that you managed to solve them all.

I thought that whilst your brains were working again after the winter hibernation, I would set you another task and that is to find how many words you can make out of HAPPY EASTER. I know there are 35 in all, but I only managed to find 20. No doubt there is a brain box out there who will get all 35 easily, so why not give it a try. If you succeed, it would be good to have a photograph of you with your list to publish in the next edition of Sally Forth.

The answers are at the bottom of the page. Have fun!

Margo

WESTERN DIVISION CONTACTS

Ringing Master	Graham Hills 311 South Farm Road, Worthing, West Sussex BN14 7TL	01903 266980	rm-west@scacr.org
Secretary	Jack Burton 4 Highland Close, Emsworth, West Sussex PO10 7JP	01243 374937	sec-west@scacr.org
Education Officer	Christine Butterfield	01903 872623	ed-west@scacr.org
Bell Restoration	Geoff Rix	01798 861858	brf-west@scacr.org
Publicity Officers	Margo Grundy Liz Beadle	01903 506917 01903 503254	news-west@scacr.org news-west@scacr.org
Central Council Rep	Andrew Barnsdale	01428 652624	adbarnsdale@aol.com
Committee Members	Sue Gadd Moya Hills John Taylor	01903 813174 01903 266980 01903 745477	suegadd99@gmail.com mchills@talktalk.net alansuetaylor@btinternet.com

DIVISIONAL PRACTICE NIGHTS

You'll always be welcome on practice nights at other towers in the division, but it might be an idea to check before you get there!

Monday: Aldingbourne, Arundel (2nd & 4th) & Lyminster (1st & 3rd), Northchapel, Pagham, Pulborough, Slindon, Stedham, Westbourne, West Tarring & Yapton

Tuesday: Aldwick, Findon (2nd & 4th), Fittleworth, Funtington, Goring-by-Sea, Graffham, South Harting, Washington & Wisborough Green (2nd & 4th)

Wednesday: Billingshurst, Chichester, Felpham, Heene, Kirdford (7.45pm), Milland, Shipley, Stoughton, Thakeham, Tillington (7.45pm - 1st only) & Upper Beeding

Thursday: Angmering (2nd, 4th & 5th), Bosham, Easebourne (1st & 3rd), Findon (1st & 3rd), Midhurst (2nd & 4th), Petworth, Steyning & Walberton

Friday: Amberley, Rogate & Storrington

Other Towers: Fernhurst (3), Lodsworth & Trotton (4)

Answers: (1) hate (2) taste (3) haste (4) yap (5) east (6) rest (7) pest (8) pea (9) hat (10) paste (11) step (12) heat (13) eat (14) paper (15) papers (16) ate (17) say (18) pay (19) rate (20) trap (21) strap (22) pat (23) tap (24) happy (25) easter (26) eats (27) rep (28) yeast (29) repeat (30) repeats (31) seat (32) paster (33) yes (34) tree (35) rat