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JOINT MEETINGS.

During the last few years in districts where the areas of two or more territorial associations meet, the custom has grown up of holding occasional joint meetings, and there can be no doubt that they do help to foster that spirit of co-operation and friendliness which is one of the best characteristics of the present day Exercise. The advantages ringers can gain by freely mixing together, no matter to what society or band they belong, are nowadays so apparent that the younger generation would be very much surprised to learn that once was the time when quite different ideas prevailed. During the greater part of its history the Exercise consisted of separate bands who kept each to itself, and not only did not encourage their members to visit neighbouring belfries, but often did everything they could to prevent it. Some of the societies exacted from their members a definite promise that they would not then or at any time have anything to do with any other society. The relationship between bands was that of rivalry and not of co-operation, and this rivalry showed itself in many ways.

It is easy for us to-day to judge these bygone ringers and to condemn their views and actions as wrong and shortsighted, but if we take into consideration all the circumstances of the times, their opinions and what they did will not always seem so very mistaken. Rivalry is a great incentive to progress, and there is no doubt that the rivalry between bands and societies was an important factor in the life and development of the Exercise.

But conditions alter and what is best for one period may not be the best for another; and when, seventy years or so ago, the great territorial associations were first established a new idea was brought into the Exercise which eventually was to substitute the spirit of co-operation for the spirit of rivalry. The leaven worked slowly and the men who founded the territorial associations had no clear and definite ideas about the matter. On the other hand, those ringers who belonged to the best of the older societies, had inherited the old traditions and quite naturally saw no reason why they should be abandoned. So there arose a struggle between the old ideas and the new which was not the less real because those who engaged in it were for the most part concerned about local and temporary points of difference.

The recent joint meeting of the Ancient Society of College Youths and the Middlesex County Association
(Continued on page 286.)

marked the conclusion of a definite period in the history of the London Exercise. On the face of it, it was a gathering of a number of ringers practically all of whom were, and had long been, on friendly terms. But the two societies represented two distinct ideas, and for many years anything like co-operation between them was out of the question. Now it is quite possible, not because either has given up any of its ideals or claims, but because there has gradually grown up throughout the Exercise the feeling that though rivalry has its good points, co-operation is better; and in place of the old idea, that one society can prosper only at another's expense, has come the knowledge that when one society or band prospers all other societies and bands in greater or less degree share its prosperity.

TWELVE BELL PEALS.

BIRMINGHAM.

THE ST. MARTIN'S GUILD FOR THE DIOCESE OF BIRMINGHAM.

On Tuesday, July 10, 1945, in Three Hours and Fifty-Five Minutes,
AT THE CHURCH OF ST. MARTIN,

A PEAL OF CAMBRIDGE SURPRISE MAXIMUS, 5280 CHANGES;

Tenor 37 cwt.

WILLIAM C. DOWDING ... Treble	LEONARD TUFFREY ... 7
*PETER J. STANFORTH ... 2	JOHN PINFOLD ... 8
JILL POOLE ... 3	ERNEST MORRIS ... 9
FRANK E. HAYNES ... 4	GEORGE E. FEARN ... 10
FRANK W. PERRENS ... 5	HENRY H. FEARN ... 11
RICHARD J. B. HADDEN ... 6	HAROLD J. POOLE ... Tenor

Composed by F. DENCH.

Conducted by HAROLD J. POOLE.

* First peal on twelve bells.

HIGH WYCOMBE, BUCKS.

THE OXFORD DIOCESAN GUILD.

On Wednesday, July 11, 1945, in Three Hours and Forty-One Minutes,
AT THE CHURCH OF ALL SAINTS,

A PEAL OF STEDMAN CINQUES, 5007 CHANGES;

Tenor 32 cwt.

EDWIN BARNETT ... Treble	EDWIN A. BARNETT ... 7
FRED HAVES ... 2	RALPH COLES ... 8
CHARLES T. COLES ... 3	CECIL J. MATTHEWS ... 9
THOMAS J. LOCK ... 4	GEORGE W. STEERE ... 10
J. FRANK SMALLWOOD ... 5	JAMES BENNETT ... 11
GILBERT R. GOODSHIP ... 6	ALEC C. STRATHDEE ... Tenor

Composed by JOHN CARTER.

Conducted by CHARLES T. COLES.

EIGHT BELL PEALS.

BEXLEY, KENT.

THE KENT COUNTY ASSOCIATION.

On Saturday, July 7, 1945, in Two Hours and Fifty-Two Minutes,
AT THE CHURCH OF ST. MARY,

A PEAL OF DOUBLE NORWICH COURT BOB MAJOR, 5088 CHANGES;

Tenor 7½ cwt.

GEORGE LARGE ... Treble	*VERNON J. BENNING ... 5
PHILIP A. CORBY ... 2	FREDERICK J. COLLUM ... 6
*DENIS N. LAYTON ... 3	ALAN G. HALL ... 7
*E. S. JOHN HATCHER ... 4	JAMES E. BAILEY ... Tenor

Composed by C. W. ROBERTS.

Conducted by P. A. CORBY.

* First peal in the method.

HELMINGHAM, SUFFOLK.

THE SUFFOLK GUILD.

On Tuesday, July 10, 1945, in Three Hours,

AT THE CHURCH OF ST. MARY,

A PEAL OF CAMBRIDGE SURPRISE MAJOR, 5056 CHANGES;

MIDDLETON'S.

Tenor 19½ cwt.

WILLIAM J. BUTTON ... Treble	GEORGE BENNETT ... 5
LESLIE G. BRETT ... 2	RONALD BULLEN ... 6
BETTY SPICE ... 3	THOMAS W. LAST ... 7
LESLIE C. WIGHTMAN ... 4	JAMES BENNETT, JUN. ... Tenor

Conducted by T. W. LAST.

OXHEY, HERTS.

THE HERTFORD COUNTY ASSOCIATION.

On Tuesday, July 10, 1945, in Two Hours and Forty-One Minutes,

AT THE CHURCH OF ST. MATTHEW,

A PEAL OF SUPERLATIVE SURPRISE MAJOR, 5056 CHANGES;

Tenor 8½ cwt.

*THELMA C. WALDRON ... Treble	CHRISTOPHER W. WOOLLEY ... 5
†GRAHAM C. TARR ... 2	†LAURENCE R. TARR ... 6
†PATRICIA HOLMES ... 3	FREDERICK W. BRINKLOW ... 7
HENRY HODGETTS ... 4	HAROLD G. CASHMORE ... Tenor

Composed and Conducted by H. G. CASHMORE.

* First peal. † First peal of Surprise.

ALDERSHOT, HAMPSHIRE.

THE GUILDFORD DIOCESAN GUILD.

On Tuesday, July 10, 1945, in Two Hours and Fifty-Seven Minutes,

AT THE CHURCH OF ST. MICHAEL-THE-ARCHANGEL,

A PEAL OF DOUBLE NORWICH COURT BOB MAJOR, 5056 CHANGES;

Tenor 8½ cwt. in A flat.

FRANK C. W. KNIGHT ... Treble	WILLIAM H. VIGGERS ... 5
ALFRED H. PULLING ... 2	CHARLES F. ANDREWS ... 6
WILLIAM J. ROBINSON ... 3	FREDERICK A. H. WILKINS ... 7
GEORGE L. GROVER ... 4	REDVERS F. ELKINGTON ... Tenor

Composed by E. MORRIS. Conducted by REDVERS F. ELKINGTON.

ALTON, HAMPSHIRE.

THE WINCHESTER AND PORTSMOUTH DIOCESAN GUILD.

On Wednesday, July 11, 1945, in Two Hours and Fifty-Eight Minutes,

AT THE CHURCH OF ST. LAWRENCE,

A PEAL OF STEDMAN TRIPLES, 5040 CHANGES;

HEYWOOD'S TRANSPOSITION.

Tenor 18 cwt. in E.

GEORGE UPSHALL ... Treble	CHARLES F. ANDREWS ... 5
WILLIAM J. ROBINSON ... 2	FRANK C. W. KNIGHT ... 6
HAROLD S. HOBDEN ... 3	REDVERS F. ELKINGTON ... 7
RAYMOND S. PHILPOTT ... 4	FREDERICK A. H. WILKINS ... Tenor

Conducted by REDVERS F. ELKINGTON.

FRAMSDEN, SUFFOLK.

THE SUFFOLK GUILD.

On Thursday, July 12, 1945, in Two Hours and Fifty Minutes,

AT THE CHURCH OF ST. MARY,

A PEAL OF SUPERLATIVE SURPRISE MAJOR, 5024 CHANGES;

Tenor 16 cwt.

WILLOUGHBY E. MAULDEN Treble	FRANK L. FISHER ... 5
RONALD H. BULLEN ... 2	J. WILLIAM LAST ... 6
MRS. C. W. PIPE ... 3	CECIL E. MAYNE ... 7
LESLIE G. BRETT ... 4	LESLIE C. WIGHTMAN ... Tenor

Composed by W. WIGHTMAN. Conducted by L. C. WIGHTMAN.

LIVERPOOL.

THE LANCASHIRE ASSOCIATION.

On Friday, July 13, 1945, in Two Hours and Fifty-Eight Minutes,

AT THE CHURCH OF ST. PETER, WOOLTON,

A PEAL OF STEDMAN TRIPLES, 5040 CHANGES;

H. EARLE BULWER'S FOUR-PART (No. 6).

Tenor 20 cwt.

LESTER L. GRAY ... Treble	THOMAS W. HESKETH ... 5
THOMAS LEE ... 2	*ROGER CADAMY ... 6
GEORGE R. NEWTON ... 3	PERCIVAL W. CAVE ... 7
ARTHUR LINTOTT ... 4	FREDERICK S. ALMOND ... Tenor

Conducted by PERCIVAL W. CAVE.

* First peal of Stedman.

STOW-ON-THE-WOLD, GLOUCESTERSHIRE.

THE GLOUCESTER AND BRISTOL DIOCESAN ASSOCIATION.

On Saturday, July 14, 1945, in Three Hours and Twenty-One Minutes,

AT THE CHURCH OF ST. EDWARD,

A PEAL OF DOUBLE NORWICH COURT BOB MAJOR, 5184 CHANGES;

Tenor 30 cwt.

RAYMOND HICKS ... Treble	ALBERT DISERENS ... 5
WILFRID F. MORETON ... 2	WILLIAM JUDGE ... 6
BETTY SPICE ... 3	WILFRED WILLIAMS ... 7
NEIL I. ALLNATT ... 4	JOHN E. SPICE ... Tenor

Composed by A. CRAVEN.

Conducted by JOHN E. SPICE.

The first peal in the method on the bells.

BEACONSFIELD, BUCKS.
THE OXFORD DIOCESAN GUILD.

On Saturday, July 14, 1945, in Three Hours and Sixteen Minutes,
AT THE CHURCH OF ST. MARY AND ALL SAINTS,
A PEAL OF YORKSHIRE SURPRISE MAJOR, 5088 CHANGES;

Tenor 21½ cwt.

HARRY WINGROVE Treble	*WALTER TOMLINSON... .. 5
DOROTHY R. FLETCHER ... 2	*ALFRED C. LEVETT 6
GEORGE MARTIN 3	WILFRED EDWARDS 7
PERCY NEWTON 4	*WALTER LEE Tenor

Composed by A. CRAVEN.

Conducted by H. WINGROVE.

* First peal in the method.

REDENHALL, NORFOLK.

THE NORWICH DIOCESAN ASSOCIATION.

On Saturday, July 14, 1945, in Three Hours and Twenty-Four Minutes,
AT THE CHURCH OF ST. MARY,

A PEAL OF KENT TREBLE BOB MAJOR, 5088 CHANGES;

Tenor 24 cwt.

*CECIL POINTZ Treble	THOMAS SIMMONS... .. 5
GEORGE W. HOWLETT ... 2	FREDERICK W. MUNNINGS 6
ERNEST WHITING 3	GEORGE POINTZ 7
STANLEY COPLING 4	WILLIAM J. FLATT Tenor

Composed by T. B. WORSLEY.

Conducted by E. WHITING.

* First peal.

SIX BELL PEAL.

LIVERPOOL.

THE LANCASHIRE ASSOCIATION.

On Wednesday, July 11, 1945, in Three Hours and Two Minutes,

AT THE CHURCH OF ST. JAMES, WEST DERBY,

A PEAL OF MINOR, 5040 CHANGES;

Being 720 each of Oxford Bob and Oxford Treble Bob, two 720's of Kent Treble Bob and three 720's of Plain Bob. Tenor 14 cwt.

HARRY HANCOCK Treble	*ARNOLD COWMAN 4
FREDERICK WOODWARD ... 2	WILLIAM RAWSTHORNE ... 5
GEORGE R. NEWTON 3	FRANK VARTY Tenor

Conducted by F. VARTY.

* First peal.

HANDBELL PEAL.

ENFIELD, MIDDLESEX.

THE GLOUCESTER AND BRISTOL DIOCESAN ASSOCIATION.

On Wednesday, July 11, 1945, in Two Hours and Thirty-Six Minutes,

AT 24, SUFFOLK ROAD,

A PEAL OF GRANDSIRE CATERS, 5039 CHANGES;

MRS. J. THOMAS... .. 1-2	JOHN THOMAS 5-6
*ROYSTON G. BRYANT... .. 3-4	ERIC A. DENCH 7-8
CHARLES W. ROBERTS... .. 9-10	

Composed by J. CARTER (C.C.C. 53). Conducted by C. W. ROBERTS

* First peal of Caters.

MISCELLANEOUS PERFORMANCES.

SYDNEY, AUSTRALIA.—On June 18th, at St. Philip's, 1,260 Grandsire Doubles: H. Short 1, R. Joyner 2, W. Rowe 3, A. G. Williams, R.N. (conductor) 4, T. Connor, Royal Marines 5, J. Blissite 6. The first quarter-peal on the bells for 40 years and the first for all the Australian ringers.

BOSTON, LINGS.—On Thursday, June 21st, 1,264 Bob Major: Miss L. Briggs 1, Miss F. E. Brocklesby 2, S. Jessop 3, A. Freeston 4, F. Dewey 5, H. Harper 6, J. Royce 7, W. E. Clarke (conductor) 8.

NEWBURY, BERKS.—On Wednesday, June 27th, 1,260 Grandsire Triples: E. A. Palmer 1, R. W. Rex 2, Miss S. Davis 3, E. W. Smith 4, C. E. Calcott 5, S. Hector 6, H. W. Curtis (conductor) 7, A. E. Brown 8.

MISCELLANEOUS PERFORMANCES.

ELVEDEN, SUFFOLK.—On Sunday, June 24th, 1,264 Bob Major: B. Atkins 1, G. Gooch 2, S. Atkins 3, Cpl. Price 4, Mr. King 5, William Paul 6, W. Bowers 7, J. W. Paul (conductor) 8.

RUSHALL, STAFFS.—On Wednesday, June 27th, 1,260 Grandsire Doubles: Albert Richards 1, Sidney Griffiths 2, Albert G. Collins (conductor) 3, Trevor Reynolds 4, Norman G. Leech 5, Thomas Knott 6.

CHESTER.—On Sunday, June 24th, at St. Mary's-without-the-Walls, 1,260 Grandsire Triples: George Griffiths 1, John W. Griffiths 2, James Swindley 3, John Hayes (conductor) 4, Harry Pye 5, Thomas Griffiths 6, Percy Swindley 7, Arthur Close 8.

WOODFORD, ESSEX.—On Thursday, June 28th, 1,260 Grandsire Triples: B. Weaver 1, H. Corney 2, J. Waugh (conductor) 3, R. Cousins 4, G. Black 5, J. Chalk 6, C. Morss 7, J. Morley 8. Ring half-muffled for the Rev. T. J. Ison, ten years Rector.

BOURNEMOUTH.—On Friday, June 29th, at St. Peter's, 1,945 Grandsire Triples: H. Osborne 1, A. I. Pearmain 2, Miss Mary Davis 3, F. S. Wilson 4, E. Waters 5, A. V. Dent 6, A. V. Davis (conductor) 7, J. V. Davis 8.

BANBURY.—On Saturday, June 30th, 1,260 Grandsire Triples: R. Cave 1, G. Jay 2, W. Watson 3, J. Simons 4, T. Impey 5, F. Selwyn 6, H. Impey (conductor) 7, S. Grainge 8.

ALLESLEY, COVENTRY.—On Sunday, July 1st, 720 Spliced Surprise Minor (London and Wells): C. Aylett 1, H. Summers 2, J. W. Taylor 3, J. W. Taylor 4, F. W. Perrens (conductor) 5, W. A. Stote 6.

DERBY.—At St. Peter's on Sunday, July 1st, 720 Bob Minor: James Mould 1, Walter Stean 2, J. W. Glew 3, Francis Lowe 4, Ronald Foster 5, W. Lancaster (conductor) 6, Walter Shaw 7.

NORWICH.—At St. Peter Mancroft on July 1st, 1,260 Bob Royal: Margaret D. Telford 1, Ernest Shorting 2, George Mayers 3, Cedric Curson 4, Arthur Bason 5, George Allen 6, William Mayers 7, Rev. Gilbert Thurlow 8, George Sayer 9, Nolan Golden 10.

LAVERNHAM.—On Sunday, July 1st, 1,264 Bob Major: B. Cornell 1, S. H. Symonds (conductor) 2, Miss O. B. Lambert 3, S. Smith 4, F. Boreham 5, F. F. Mortlock 6, L. Offord 7, W. Jarvis 8.

DARLINGTON.—On Sunday, July 1st, 720 York Surprise Minor: W. Oliver 1, J. T. Titt 2, R. Busby 3, G. W. Park 4, W. N. Park 5, R. Park (conductor) 6. Also 720 London Surprise: R. Busby 1, J. T. Titt 2, W. Oliver 3, G. W. Park (conductor) 4, W. N. Park 5, R. Park 6.

BUCKNALL, STAFFS.—On Sunday, July 1st, 720 Kent Treble Bob Minor: C. Bowen 1, W. Wheelton 2, G. Mountford 3, P. Jeffries (conductor) 4, F. Grocott 5, W. Fradley 6.

GORLESTON.—On Sunday, July 1st, 720 Bob Minor: J. Harwood 1, W. Bird 2, G. Steward 3, W. J. Lee 4, H. Eldred 5, A. Crowe (conductor) 6.

HARROW WEALD, MIDDLESEX.—On Sunday, July 1st, 720 Bob Minor: F. Wilcox 1, Miss E. K. Fulton (conductor) 2, Flight-Serget. Cademy 3, H. D. Butler 4, J. E. Rootes 5, W. Horrod 6. Also 720 Bob Minor: F. Wilcox 1, Miss E. K. Fulton (conductor) 2, Miss F. Clayton 3, F. Vincett 4, H. G. Hart 5, H. D. Butler 6.

ISLEWORTH.—On Sunday, July 1st, 720 Bob Minor: Miss S. Harris 1, Mrs. O. L. Rogers 2, Miss K. Brooks 3, A. F. Thirst (conductor) 4, G. Dodds 5, H. W. Rogers 6.—On Sunday, July 8th, 1,260 Bob Minor: Miss J. Francklin 1, Miss K. Brooks 2, Mrs. O. L. Rogers 3, A. Thirst 4, G. Dodds (conductor) 5, H. W. Rogers 6, A. Tomblin 7.

BATH.—On July 1st, at St. Michael's, 1,260 Grandsire Triples: Mrs. D. Evans 1, S. J. T. Shellock 2, T. F. King 3, E. King 4, A. Mark Stacey 5, H. Andrews 6, G. Hawkins (conductor) 7, H. Merrett 8.

BEXLEY, KENT.—On Sunday, July 1st, 1,20 Bob Major: Betty Frost 1, Audrey Holden 2, Mrs. J. E. Bailey 3, Dennis Hall 4, H. A. Holden 5, V. J. Renning 6, Alan Hall 7, J. E. Bailey (conductor) 8.

CROYDON, SURREY.—On July 1st at St. John the Baptist's, 1,259 Grandsire Caters: W. Watts 1, R. Davies 2, Mrs. O. Collins 3, C. Parks 4, R. Albott 5, C. Potheary 6, H. Simmons 7, G. H. Humphries 8, D. Cooper (conductor) 9, F. E. Collins 10.

EXETER.—On Sunday, July 1st, at St. Thomas', 1,260 Grandsire Triples: Mrs. W. A. Wills 1, W. A. Wills 2, F. Wills 3, E. Pilley 4, R. Truman 5, W. Fairchild 6, E. W. Biffin (conductor) 7, H. Wills 8.

PORTSMOUTH.—On July 2nd, at St. Mary's, 1,260 Stedman Triples: F. W. Burnett 1, J. D. Harris (conductor) 2, L. P. Cook 3, S. E. Cook 4, W. Tate 5, J. H. Hunt 6, F. W. Rogers 7, F. S. Macey 8.

STAGSDEN, BEDS.—On Thursday, July 5th, 720 Bob Minor: Mrs. P. O. Bonnett 1, Marjorie Watson 2, P. C. Bonnett 3, R. West 4, L. H. Bowler (conductor) 5, Pat Gilbert 6.



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MYSTERIES UNVEILED.

By JOSEPH W. PARKER.

INTRODUCTION.

The method, Stedman Triples, has been an enigma to many able composers for more than 200 years. The two editions of 'Stedman' make clear its possibilities in one direction—the twin-bob plan—but even the writers of that work have not gone further. As a result, the source of odd-bob, the bob and single peals with few consecutive calls, and others, remain a mystery to most.

Certainly some composers have solved many of the puzzles that the method provides. Unfortunately, those that have passed to their rest have not—so far as the writer knows—left any record of the source of their peals. The writer, feeling that his ability to carry on such work is waning, will endeavour to show how all modern peals have been found. He hopes it will enable anyone, with a knowledge of twin-bob composition, to put together peals of Stedman Triples as easily as those of Bob Major.

The solution is in the existence of what may be termed Regular Course-end Plans (RCEPs) on six bells. In this connection sixty Course-ends (CEs) are needed, and their relationship must be such that, taking any *fifty-nine* of them, the relationship of the *one* left out to the *fifty-nine* must be the same, whichever one of the sixty it may be. The consequence of such a likeness is that every one of the sixty will give results alike. For instance, all the CEs are followed by sixes which may be numbered 1 to 13. Then the CEs, even if all are transposed in the same way, will give, when followed by a plain, bob or single, a six having the same number. Further, each column of sixty sixes will have the same property. This enables a Table of results to be drawn up, which will be shown later.

Those who intend to follow this treatise seriously will find it useful, if not essential, to write out the whole of the 840 true six-ends. To do this head a column No. 14, and place below it the Hudson CEs. Then thirteen more columns, heading them Nos. 1 to 13. Along each line after each CE, write out the six-ends of the course with the third, fourth, fifth and sixth sixes bobbed. This will give 840 true sixes, and you will actually have, in separate columns, fourteen RCEPs, two of them (the 9th and 14th) with the seventh at home.

As the Hudson courses will stand in this Table of 840 true sixes (to be referred to as Table A), the sixes numbered 1 to 14 will have the letter A added to their number. Further, the three front bells of each six-end may be transposed as 312 is to 123, when B is added to their number. Again they may be transposed as 231 is to 123, in this case C is added. The effect of these transpositions is to treble the number of RCEPs; there are therefore six with the seventh at home.

The position of the row of rounds is changed in the transposed 14s, and it does not appear in the 9s. To avoid confusion the six RCEPs with the conventional row will first be given in skeleton form. Afterwards, with the exception of those from bob blocks, it will be shown how these RCEPs give the basis courses of all peals discovered to date.

1. SIX RCEPs WITH THE SEVENTH AT HOME.

Plan 14A	Plan 14B	Plan 14C	Plan 9A	Plan 9B	Plan 9C
231456	231456	231456	231456	231456	231456
514236	452316	345126	542136	354216	415326
342516	314526	412536	315246	512346	352146
125346	523146	153246	423516	143526	124536
455126	145236	524316	154326	425136	543216
435216	541326	541326	451236	245316	534126
152436	325416	513426	324156	413256	142356
324156	413256	142356	513426	152436	325416
541326	254136	435216	245316	534126	451236
213546	132546	321546	132546	321546	213546
312645	312645	312645	123645	123645	123645
123564	123564	123564	123564	123564	123564
461253	154263	542613	145623	452163	561423
543162	415632	634152	514362	635412	453612
354621	246351	425361	256431	524631	345261

The first ten CE's of each plan are given in full. Below these ten CE's are the heads of five other blocks of ten. These five bear the exact relationship to each other as the first ten of the same plan.

These plans are shown in this form (with a common head) to suit students who prefer to work from rounds, and check CE's as they progress. As the plans appear in Table A, and with the front bells transposed, they are, as a matter of fact, the 360 possible CE's. These will give readers a clearer understanding of some points which will be dealt with.

2. THE MAGIC TABLE.

The following is a table of results, showing the six which will follow the sixes in the first column, in their three forms, by plain, bob and single, whether it is a quick or slow. It will be referred to as Table B.

Sixes in Table A by the Column Number		The numbers in Column 1 produce the numbers in the same line shown below the Plain or Call which gives it													
		DIRECT							REVERSED						
		By a Slow Six			By a Quick Six				By a Slow Six			By a Quick Six			
		Plain	Bob	Single	P	B	S		P	B	S	P	B	S	
1A	2C	10B	10A	2A	10C	10A	9B	10A	10B	14A	1C	1B	10B	10B	
1B	2B	10A	10B	2C	10B	10B	14A	1C	10B	10A	9B	10A	10B	10A	
1C	11B	1A	1C	11C	1B	1C	9C	10B	10A	9B	10A	10B	10A	10C	
2A	7C	3A	12A	7A	3B	12A	1A	8A	11A	10C	13C	2B	10B	2B	
2B	3A	6B	6C	3B	6C	6C	10C	13C	2A	1B	8B	11A	10B	11A	
2C	6B	7C	5C	6C	7A	5C	1B	8R	11C	1A	8A	11B	10B	11B	
3A	5A	4C	4C	5B	4A	4C	12C	5B	7A	2B	2A	13A	10B	13A	
3B	8B	8C	11B	8C	8A	11B	2B	2A	13C	5A	6A	6B	10B	6B	
3C	12A	5C	7C	12B	5A	7C	5A	6A	6A	12C	5B	7B	10B	7B	
4A	12B	5A	7B	12C	5B	7B	7C	3A	12A	11B	11C	8C	10B	8C	
4B	8A	8B	11C	8B	8C	11C	11B	11C	8B	4C	7B	5B	10B	5B	
4C	4B	12A	3A	4C	12B	3A	4C	7B	5A	7C	3A	12B	10B	12B	
5A	3B	6C	6B	3C	6A	6B	7B	3C	12B	3A	4A	4C	10B	4C	
5B	7B	3C	12B	7C	3A	12B	3A	4A	4B	11C	11A	8B	10B	8B	
5C	13B	13A	2C	13C	13B	2C	11C	11A	8A	7B	3C	12C	10B	12C	
6A	7A	3B	12C	7B	3C	12C	12B	5A	7B	6B	12C	3C	10B	3C	
6B	6A	7B	5A	6B	7C	5A	6B	12C	3B	2C	2B	13C	10B	13C	
6C	13C	13B	2B	13A	13C	2B	2C	13B	12B	5A	7C	10B	10B	7C	
7A	8C	8A	11A	8A	8B	11A	2A	2C	13A	6A	12B	3A	10B	3A	
7B	5C	4B	4A	5A	4C	4A	6A	12B	3C	5B	6B	6A	10B	6A	
7C	4C	12B	3C	4A	12C	3C	5B	6B	6C	2A	2C	13B	10B	13B	
8A	9A	2C	13A	9B	2A	13A	7A	3B	12C	4B	7A	5C	10B	5C	
8B	9C	2B	13B	9A	2C	13B	4B	7A	5B	3B	4B	4B	10B	4B	
8C	14A	11B	8C	14B	11C	8C	3B	4B	4A	7A	3B	12A	10B	12A	
9A	10C	9B	9A	10A	9C	9A	8B	14C	14B	8A	14B	14A	10B	14A	
9B	1C	14C	14B	1A	14A	14B	8A	14B	14C	13C	9A	9C	10B	9C	
9C	1B	14B	14C	1C	14C	14C	13C	9A	9B	8C	14C	14C	10B	14C	
10A	11A	1C	1A	11B	1A	1A	9A	10C	10C	14C	1B	1C	10B	1B	
10B	11C	1B	1B	11A	1C	1B	14C	1B	1B	14B	1A	1A	10B	1A	
10C	2A	10C	10C	2B	10A	10C	14B	1A	1C	9A	10C	10A	10B	10A	
11A	12C	5B	7A	12A	5C	7A	10B	13B	2B	10A	13A	2A	10B	2A	
11B	4A	12C	3B	4B	12A	3B	10A	13A	2C	1C	8C	11C	10B	11C	
11C	5B	4A	4B	5C	4B	4B	1C	8C	11B	10B	13B	2C	10B	2C	
12A	13A	13C	2A	13B	13A	2A	11A	11B	8C	3C	4C	4A	10B	4A	
12B	6C	7A	5B	6A	7B	5B	3C	4C	4C	4A	7C	5A	10B	5A	
12C	3C	6A	6A	3A	6B	6A	4A	7C	5C	11A	11B	8A	10B	8A	
13A	14C	11A	8A	14A	11B	8A	6C	12A	3A	12A	5	7A	10B	7A	
13B	14B	11C	8B	14C	11A	8B	12A	5C	7C	5C	6C	6C	10B	6C	
13C	9B	2A	13C	9C	2B	13C	5C	6C	6B	6C	12A	3B	10B	3B	
14A	1A	14A	14A	1B	14B	14A	13A	9B	9A	8C	14A	14B	10B	14B	
14B	10B	9A	9B	10C	9B	9B	8C	14A	14A	13B	9C	9A	10B	9A	
14C	10A	9C	9C	10B	9A	9C	13B	9C	9C	13A	9B	9B	10B	9B	

It will be found that the possession of Tables A and B provides one with a most fascinating set of figures. The wonderful properties revealed by a careful study of them will more than repay anyone for their time and trouble. It is easily seen that the usefulness of RCEPs is manifold, and it has already been stated what the two Tables will do in Stedman Triples. In addition, they solved the difficulty of discovering peals of Erin Triples, and will show blocks of mixed sixes.

Proceeding now to set out what Table B will produce, it must be understood that the only proof needed of blocks of fourteen sixes is to see that no column number is repeated twice. This being so, the particular block will give sixty courses without fear of falseness. These sixty will, almost without exception, be found united into two, three or five fourteen-six blocks."

Note.—In the table, direct and reversed refers to each individual six. It will apply to whole blocks only if no singles are used in their construction.

(To be continued.)

A COMPLAINT.

To the Editor

Sir,—It is with effrontery I write you and your magazine, the sole organ for the use of ringers; I can but apologise for so doing, which I trust you will accept. It is of the selfishness of their fine pastime.

Year after year the same leaders continue, no opportunity is given to others to show their abilities, not like 'mayoralties,' who by standing down are able to teach others how things should be carried on.

It breeds uncharitableness, against which the bells call people to fight. Could not a deputy be appointed in towers and so attract the younger members to this fascinating hobby? I am musical myself, and love it, and wish success to what I think is, and will be, a continuous recreation long after we have passed on. 'A non-ringer, and at 73 years of age likely to be,' I sincerely hope you will give a few gentle hints to my appeal.

JEAN HART.

42, Osborne Villas, Hove.

COLLEGE YOUTHS AND MIDDLESEX ASSOCIATION.

JOINT MEETING AT SOUTHGATE.

Fine weather, good bells and a large company greatly helped in making a joint meeting of the Middlesex County Association and the Ancient Society of College Youths, held at Southgate on July 7th, a big success. By request, the Master of the College Youths (Mr. E. G. Fenn) took charge of the ringing until a pause for the service. The Vicar (the Rev. G. W. Stainsby), in his address, gave a welcome to the members of the two societies, and referred to the fact that members of the Ancient Society had rung in many of the city churches, now unfortunately destroyed, for hundreds of years.

Tea brought together a company of 60 or so members of one or both of the societies. Mr. C. T. Coles, vice-president of the Middlesex Association, presided, and was supported by Mr. E. G. Fenn (Master), Mr. A. B. Peck (secretary) and Mr. A. A. Hughes (treasurer), of the College Youths, and Mr. E. C. S. Turner (hon. secretary), Mr. J. A. Trollope (vice-president) and several district officers of the Middlesex Association.

Mr. Coles gave a special word of welcome to the members of the Ancient Society, and said that a new page had been added to London ringing history by this meeting. He went on to say that it would need a great deal of co-operation on the part of all societies in and around London to overcome the setback in ringing caused by the war, and he trusted that this, the first joint meeting of the two societies, would be the first of many, and would lead to lasting benefits for ringing.

Mr. Fenn thanked Mr. Coles for his welcome. He said that the College Youths had suffered very much from the loss of bells in the raids on London; in fact they were almost in the bankruptcy court in that respect, and they welcomed such opportunities as this meeting gave them. He, too, hoped for further joint meetings, and wished the Middlesex Association every success.

Mr. J. F. Smallwood brought a message of good wishes from Mr. Albert Walker, of Birmingham, and added his own congratulations to Mr. Coles for having brought about a meeting which he had for a long time desired. He, too, hoped the good feelings would continue.

Mr. Trollope proposed a vote of thanks to the Rev. G. W. Stainsby for his address at the service and for the use of the bells, and he also thanked Mr. J. E. Miller and the ladies who had seen to their tea. The Vicar, in reply, said he was glad that this meeting had taken place at Southgate, and paid a tribute to his own loyal band, who had done faithful service for many years.

Handbell ringing, and a further visit to the tower, ended a memorable meeting.

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subscriptions and notices must be prepaid.

The peal of Minor at St. James', West Derby, Liverpool, was rung
on the centenary of the laying the foundation stone of the church.

THE MONTH'S PEALS.

JUNE.

During the month of June 102 peals were rung, 90 of them on tower
bells and 12 on handbells.

The tower bell peals were: Grandsire Doubles 4, Triples 17, Caters
3; Plain Bob Minor 7, Major 10; Stedman Triples 6, Cinques 1; Kent
Treble Bob Major 5, Royal 1; Oxford Treble Bob Major 1; Little Bob
Major 1, Royal 1; Double Norwich Court Bob Major 6; Cambridge
Surprise Major 4, Royal 3, Maximus 2; New Cambridge Surprise
Major 1; Yorkshire Surprise Major 2, Royal 1; Superlative Surprise
Major 2; London Surprise Major 2; Double Bob Minor 1; Minor 7;
Doubles 2.

The handbell peals were: Grandsire Caters 2; Bob Major 3, Royal
3, Maximus 1; Kent Treble Bob Major 1; Spliced Oxford and Kent
Treble Bob Major 2.

In January 60 peals were rung, in February 74, in March 77, in
April 84, in May 164, making a total for the year (so far) of 571. In
June last year 34 peals were rung, and during the first six months 244.

A WITHDRAWAL.

To the Editor.

Dear Sir,—I wish to withdraw two peals of Minor recently conducted
by me, viz., Bob Minor on handbells rung for the Universities' Asso-
ciation at New College on April 16th, and Minor at Carfax tower
rung for the Oxford Diocesan Guild on May 8th. By an extremely
stupid oversight on my part, both peals contained a false 720 of Bob
Minor. I should like to tender my very sincere apologies to the
members of both bands.

New College, Oxford.

J. E. SPICE.

DUKE OF GLOUCESTER TAKES RINGING LESSON.

Sydney, Tuesday.—When the Duke of Gloucester, Governor-General
of Australia, visited the battleship 'Duke of York' here recently, it
was disclosed to-day, he was so struck by a display of handbell ring-
ing by a member of the crew that he asked to be given a lesson.

For more than 15 minutes Sub-Lieut. A. R. Pink, of Oxford, then
showed the Duke how to handle the bells.—Reuter.

SUFFOLK GUILD.

MEETING AT CLARE.

A meeting of the Suffolk Guild, held at Clare on July 7th, was
attended by members from Hadleigh, Grundisburgh, Newton, Groton,
Great Cornard, Shimpling, Newmarket, Long Melford, Sudbury,
Lavenham and the local belfry. Service was conducted by the Vicar,
who was elected an honorary member. Two ringing members were
elected. Assington was selected as the place of the next meeting, to
be held in August. The methods rung ranged from Bob Major to
Cambridge Surprise.

DUDLEY AND DISTRICT GUILD.

MEETING AT HAGLEY.

A quarterly meeting of the Dudley and District Guild, held at
Hagley on June 30th, was attended by 30 members. The Rev. E. E.
Beck occupied the chair and seven new ordinary members and two
life members were elected. Oldswinford was chosen as the place of
the next meeting.

THE BELL WHEEL.

By GEORGE P. ELPHICK.

(Continued from page 281.)

The half wheel, which appears to have been well established by the fifteenth century, was invariably constructed on an inclined spar, either housed into the stock, as at Ford, Fig. 9, or shaped and key-bolted to the stock, as at Duncton, Fig. 10. The spokes are always fixed to the spar by the mortice and tenon joint and secured by wooden pins, the fillets of the channel being nailed to the rim and spokes. The only exception I have found is the interesting half wheels at Poynings. One is used to toll a bell cast by Richardus de Wimbis c. 1300. They are similar in type to those at Ford. Details of construction, showing how the fillets are held to the rim by wood



Fig. 10.—Duncton



Fig. 11.—Poynings



Fig. 12.—Chichester Cathedral

pins with heads one end and wedged the other, are shown in Fig. 11. As a general rule the fillets on early wheels are splayed outwards, as is shown in the same illustration, no doubt to prevent the rope slipping in the event of the wheel twisting. This often happened with the old method of fixing the wheel to the stock, for the key-bolts which were used had an unfortunate habit of getting loose, owing to the vibration. There are quite a number of half wheels similar to that shown in Fig. 12, which is used to toll the service bell in the spire of Chichester Cathedral. These appear to be developed from early complete wheels, comprising two half wheels joined together.



Fig. 13.—Litlington



Fig. 14.—Patching

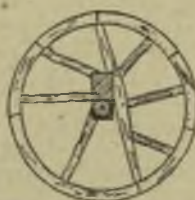


Fig. 15.—East Dean (Chichester)

The step from the half to the three-quarter wheel is shown in Figs. 6 and 13, and a more finished example at Patching, Fig. 14. First the additional spoke or lever, then the rough hewn spoke nailed on to the stock with an extended rim and fillets, and finally the spoke framed into the main spar.

The next step was to put in a few more spokes to make a complete wheel, as is shown in Fig. 15. In this example at East Dean, near Chichester, the spokes are rough-hewn timber nailed to the stock. Birdham, Fig. 16, shows an improvement, as both the main spars are firmly fastened to the stock. The wheel at Pett, Fig.

17, shows another step, being two half wheels joined together. A similar idea, as is shown in the earlier wheel at West Thorney, Fig. 8, which is made of four quarter wheels joined together. It is from the Pett type that Fig. 12 developed.



Fig. 16.—Birdham



Fig. 17.—Pett

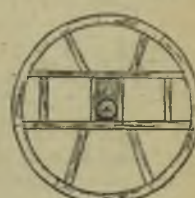


Fig. 18.—Bepton 1st

The next stage was to make the twin main spars horizontal. Two examples are shown: Bepton 1st, Fig. 18, and Donnington, Fig. 19. The Bepton wheel shows the influence of the idea of equally spaced spokes to take an even pull, whereas the Donnington example has the additional spokes where they are required for whole pull ringing. Southease, Fig. 20, is an example where we get a horizontal spare under the stock and two vertical ones up its sides. Once this became the established way of fixing the wheel to the stock, it only remained for the rest of the spokes to be placed so that they took the strain where they were most required.

After this the traditional wheel did not take long to become established in our belfries. The main spar below the stock would have to be very heavy to be strong

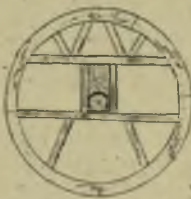


Fig. 19.—Donnington



Fig. 20.—Southease



Fig. 21.—Ashurst

enough on its own. The way employed to lighten it was to have another spar above it, either side of the stock, forming two triangles. An early form is shown at Ashurst, Fig. 21. There were many modifications, with extra spokes where the carpenters saw fit to put them. This phase did not last long, for it was realised that many spokes made too complicated a wheel to be satisfactory in practice. The traditional wheel, Fig. 22, has now been in our belfries long enough to appear that it has reached the limit of its development. The dating of the bell-wheels is like that of the frames, rather a difficult matter. Generally speaking, a very large wheel designed to ring a small bell, and also splayed fillets, indicates an early date.



Fig. 22.—Traditional wheel (Concluded.)

CALLING THE BELLS ROUND.

MINOR.

(Continued from page 269.)

In Bob Minor, when the changes are in-course one bob is sufficient to bring the bells round from any position. When the changes are out-of-course one single is sufficient to bring the bells round from any position except from the changes contained in five particular leads and their reverse variations. It is obvious, therefore, that the conductor who desires to bring the bells round in the shortest possible way must know to start with whether the changes are in-course or out-of-course. That, for an average conductor, is not very easy. If he has not called any singles, and if he is reasonably sure that two bells have not shifted, he may assume that the changes are in-course. If he is wrong, some change is sure to turn up as the bells near rounds which will tell him his mistake and show him where a single must be called. He will still bring the bells home, though not so quickly as he hoped and intended.

Or he may look for some well known row which will definitely tell him whether the changes are in-course or out-of-course. A lead end like 45236 will tell him that the changes are in-course. So probably will 23564, or 62345, or 56342, or others which are familiar to him. Perhaps he may have to wait until such unmistakable lead ends as 32456 or 24356 turn up, and when either does he knows what to do.

But if he is to consider himself a really proficient conductor he should know at once from any change whether it is in-course or out-of-course. Can he do that? Can he by just looking at such a row as, say, 641325, tell whether the changes are in-course or out-of-course? If he were studying the matter on paper, probably the first thing he would discover would be that the row is an odd one, but if he assumed that therefore the changes were out-of-course he would be wrong. The only definite way to test whether the changes are in-course or out-of-course seems to be by means of the coursing order, though it is true that when the changes are in-course all the lead ends of Bob Minor are even, and when the changes are out-of-course all the lead ends are odd.

In dealing with the coursing order the position of the treble is ignored. Only the five working bells are taken into consideration, and after a very little practice it is quite easy to see what is the coursing order of the bells at any point. All the conductor has to do is to notice carefully the order in which he meets the bells as he goes from front to back, or from back to front, and his own position (if he is ringing a working bell) among them.

In the plain course the coursing order is 65324. It is cyclical, which means that 6 follows 4, and so the order can be started at any bell—53246 for instance; or 24653, or 46532.

The plain course coursing order is the standard by which all other coursing orders are tested, and this is the way it can be done. When the changes are in-

course, in the coursing order there will always be two pairs of coursing bells, each pair consisting of two bells which are coursing bells in the plain course, and the bells in both pairs will either follow each other as they do in the plain course, or in reverse order. For instance, in the plain course 5 and 6 are coursing bells and 5 follows 6; 2 and 3 are coursing bells and 2 follows 3. If we come across a coursing order in which 5 follows 6 and 2 follows 3; or 6 follows 5, and 3 follows 2, we know that the changes are in-course.

When the changes are out-of-course, in the coursing order there will always be three pairs of coursing bells, each pair consisting of two bells which are coursing bells in the plain course. Of these three pairs, in two the bells will follow each other in the order they do in the plain course, and in the third pair the bells will follow each other in the reverse order to that in the plain course. Or else, in two the bells will follow each other in the reverse order to that of the plain course and in the third pair in the same order as that of the plain course. If we come across a coursing order in which 5 follows 6, 6 follows 4, and 3 follows 2, we know the changes are out-of-course. So we do if 6 follows 5, 4 follows 6, and 2 follows 3.

As we ring a 720 we shall come across the coursing order 63452 or its reverse 62543. Here there is no pair of coursing bells which is the same as any pair in the plain course. The changes are out-of-course and this is the only coursing order of the kind.

How, then, can our conductor with this knowledge discover, when he comes to the change 641325, whether the bells are in-course or out-of-course? He will probably need half a lead to find out. If he is ringing the tenor, he will notice, first of all, that the Fourth is coursing him instead of him coursing the Fourth (as in the plain course). The Third follows the Fourth and that does not interest him. But after the Third comes the Fifth. These are bells which are together in the plain course, but now they are in reverse order. The Second follows the Fifth and this pair he can ignore. In the coursing order there are two pairs of bells (6-4 and 3-5) which are pairs of coursing bells in the plain course, though both are in reverse order. The conductor now knows that the changes are in-course and if he calls the bells in one or other of these pairs In and Out, once or twice, the bells will come round. Here are the rows:

62453	or	62453
25634		25634
53246		53246
34562		53462 —
46325		53624 —
46253 —		32546
65432		
53624		
32546		

(To be continued.)

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CURIOUS TOWERS AND BELFRIES.

By ERNEST MORRIS.

(Continued from page 261.)

At Llandilo, Carmarthenshire, is a ring of six with tenor 11½ cwt. Here the clock weights go down through the ringing chamber centre, and glass has been fitted into the case around these to enable the ringers to see each other. It is now possible to ring but not too comfortable.

Langley-Marisk, Bucks, also has a ring of six with a tenor 17 cwt. Here the ropes fall anti-clockwise. The old five, dating from 1649 to 1792, had the ropes fall in the unusual order 13254. They were augmented in 1937 by Gillett and Johnston.

The Church of St. Cyriac (Cyril) at Lacock, Wilts, has six bells, tenor 19 cwt., hung with treble and 3rd above others, all rather cramped. The west porch abuts the tower, and as the bells are rung from ground level, the congregation passing through the porch, proceed through the rope circle.

The church of St. Bartholomew, Old Penn, Wolverhampton, was built in the year 1200, and according to the Domesday book was attributed to the beneficence of Lady Godiva, of Coventry fame. The tower—built shortly after—was approximately 80 feet high in stone, and the bells (4) were cast and hung there by Rudhall, of Gloucester, in 1696. These were augmented to six in the 18th century, and again to eight in the end of the last century. They were recast by Gillett and Johnston in 1929 with a tenor 10¼ cwt. The original stone tower was encased by a brick tower in 1765, and bears an inscription on a tablet over the porch which is misleading to visitors who have the impression that the church was built at that date. The stone tower still remains inside, in a seemingly better condition than the outside brick tower.

There is another village of Penn in Bucks, and here the church of Holy Trinity in an ancient edifice of brick with stone quoins, with low but massive tower in the Perpendicular style, containing a clock and six bells. There are numerous monuments to the Penn and Curzon families, and below the church is the vault of the Penn family. The old five bells were cast by Samuel Knight in 1702 and the Register Book of Births has this entry: 'The five bells in Penn Church were cast by Samuel Knight of Reading in Berkshire on the 29th day of December in the year 1702. They were Hung up the 5th of January following, John Bennet being then Vicar and Thomas Winter and William Wingrove, churchwardens.' They were hung left-handed and 'on the cross' or diagonally to the walls of the tower. On a board in the ringing room are the following 18th century rules:—

My friends, if here you please to ring
Keep time, and order, for the thing
Its to be brief, without demurs
Pull off your hats, your belts & spurs.
Take then a bell, ring while you can
Silence is best, for every man
For if you swear, or do amiss
Or turn a bell, the rule is this
For each offence, we do insist
You shall pay sixpence, or be dismissed.
God bless the King, in every thing
The realms and all who here shall ring.

In 1637 it is recorded 'Pen 3 bells. Sts Bell. The

butterices & corners of the steeple in decay & the steeple, church and chaff wants pgeting.' In 1919 a new treble was added to the old five, the old 3rd recast, and the whole six rehung in a new frame by the Whitechapel Foundry.

St. Michael's, Winchester, has a ring of five bells hung in a tower which belonged to the old church, and is at the south-west angle. It is a plain structure in Perpendicular style. Ringing here is done from the ground floor in full view of the congregation coming into church who pass by, but not through the rope circle. The 4th bell is a 14th century casting; the 3rd by William Hasylwood, of Reading, c. 1494-1509; 5th by R. Bond, 1610; and trebles by John Wallis, of Salisbury, 1611.

St. Lawrence's Church, Winchester, also has an early ring of five. This church, rebuilt 1449 on the site of an older church erected 1150, is a small plain building with embattled west tower which is over the only entrance to the church and is used as vestry, for choir and clergy, as well as ringers. The back four bells are by Anthony Bond, 1621, and treble by Ellis and Henry Knight, 1674.

At Wollaston, Worcester, St. James' Church, built in 1860, has a ring of six, tenor 12 cwt. in F. Here, those members of the congregation who use the gallery—quite a number do—have to ascend the belfry staircase to the ringing chamber, and go straight across out into the gallery. There is no other way. These people are regulars as a rule, and know how to keep out of the way of the ropes when ringing is in progress. A very similar gallery and approach is at King's Norton-by-Galby, Leicestershire, but this is rarely—if ever—used now.

At King's Norton there is a fine ring of eight, but we are informed by Nichols, the historian, that William Fortrey gave a ring of ten bells to this church when he rebuilt it; but, finding the weight dangerous, he reduced them to eight. Mr. Fortrey was an enthusiastic admirer of church bells, and did much towards encouraging improvements in the rings of different parishes in Leicestershire. He rebuilt the church of Galby and placed in it, in the year 1741, a ring of six bells. He did the same at King's Norton as already stated. In 1738 he gave two new bells to St. Margaret's, Leicester, making them ten. In 1771 he gave a treble to Houghton-on-the-Hill, and his name is mentioned in connection with other bells in the county. Nichols says of him, 'William Fortrey, Esq., of Norton-by-Galby, made it his business all his life to enquire into these matters (i.e., bells and ringing). He was possessed of all the anecdotes that remain belonging to the founder of the old bells in that steeple—St. Margaret's, Leicester—(Hugh Watts, once Mayor of Leicester), and was himself the patron and director of Thomas Eayre, late of Kettering.'

In 1753, when John Holt published his 'broadsheet' of peals (which contained the treble leads of his six and ten-part peals of Grandsire Triples, his six-part peal of Union Triples and his three-part peal of Plain Bob Triples without a single), Mr. W. Fortrey, of Galby, is shown as a subscriber for four copies. Squire Fortrey died in 1783.

(To be continued.)

'INFORMATION WANTED.'

To the Editor.

Sir,—I would recommend that Mr. Jeanes reads 'Ropesight.'

'RINGER.'

WINCHESTER AND PORTSMOUTH GUILD.**ANNUAL MEETING AT PORTSMOUTH.**

The annual general meeting of the Winchester and Portsmouth Diocesan Guild, held at Portsmouth on July 7th, was attended by members from Alverstoke, Bishopstoke, Blackmoor, Bournemouth, Bramshott, Fareham, Micheldever, Newport (I.O.W.), North Stoneham, Petersfield, Portsmouth (Cathedral and St. Mary's), Southampton, Sherborn St. John, Titchfield, Wickham and Wonston, and visitors from Chester, Rugby and Worthing.

Regret was expressed at the absence of the Master (Mr. G. Williams), who had not completely recovered from his indisposition, and the wish was expressed that a letter should be sent him wishing him a speedy recovery. At the business meeting the Rev. K. W. Felstead, Vicar of St. Michael's, Southampton, was in the chair, supported by the hon. general secretary (Mr. F. W. Rogers) and the hon. general treasurer (Mr. W. Linter). The election of officers was as follows: Master, Mr. G. Williams; hon. general secretary, Mr. F. W. Rogers; hon. treasurer, Mr. W. Linter; recorder of peals, Mr. A. V. Davis; auditor, Mr. G. Smith; representatives on Central Council, Messrs. G. Williams, F. W. Rogers, G. Pullinger and the Rev. K. W. Felstead. It was decided to rescind the rule governing the size of the war-time annual report, and to publish something approaching the normal report as conditions permit.

Mr. G. Pullinger gave an account of the recent Central Council meeting held in Birmingham. It was decided to hold the next annual meeting at Bournemouth on July 1st, 1946.

Evensong, which was fully choral, was at St. Mary's, at which the Vicar (the Rev. W. J. Smith) officiated and preached. Tea was served in the Parish Institute, after which the members visited the tower and the bells were rung in methods up to and including Cambridge, Superlative, Bristol and London Surprise Major.

CALL CHANGES.

To the Editor.

Dear Sir,—My opinion is that the ordinary person does not know the difference between swing chiming, a carillon, call changes or change ringing proper. There are a certain few, however, who can appreciate the difference between good striking and clashing and unevenness, be it change ringing or call changes. I myself always have as my aim the production of well-struck change ringing, but this is by no means always possible, especially where there is a shortage of experienced ringers. Under such conditions I consider it better to ring call changes with respectable striking than to attempt change ringing and produce jangling. It seems to me that the position is analogous to that of an inexperienced choir attempting a complex setting of, say, the 'Te Deum' and spoiling it rather than using the ordinary chants which they could perform satisfactorily. Naturally, practice night is quite another matter, and what I have said above applies solely to Sunday service ringing.

DENIS A. BAYLES.

Fatfield, Washington, Co. Durham.

P.S.—This morning for matins there were only three other ringers besides myself, one of whom was a learner and unable to ring changes. I decided to ring call changes as offering some variation from rounds. Did I do right or should I have reasoned that call changes were unworthy and refrained from ringing at all on this occasion?

BARNSELY DISTRICT SOCIETY.

The annual shield contest of the Barnsley District Society was held at Felkirk, near Barnsley, on July 14th, in ideal weather conditions. Six teams entered and the length of the test piece was 600 changes in any true method. The order of the ringing was: 1 Silkstone, 218 faults; 2 Meltham, 55 faults; 3 Cawthorne, 224 faults; 4 Liversedge, 87 faults; 5 Sandal, 163 faults; 6 Shelley, 241 faults. Meltham were declared the winners and will hold the shield for 12 months. Mr. J. R. Brearley, of Bolsterstone, and Mr. H. Chant acted as judges. Silkstone and Cawthorne rang Bob Minor and the others rang Oxford Treble Bob Minor.

The shield was presented to the winning band by the Rev. J. E. Barlow, Vicar of Felkirk. The Vicars of Cawthorne and Shelley accompanied their ringers to the contest and took a great interest in the ringing. Just over 80 ringers and friends sat down to tea in the old Schoolroom. It is hoped to hold the next meeting at Wortley, near Sheffield, on August 11th.

DEATH OF MR. ALFRED MUNKS.

The death is announced of Mr. Alfred Munks, of Mansfield Woodhouse, who passed away on July 1st after a few weeks' illness at the age of 76. Mr. Munks had been a ringer at the Parish Church for over 50 years, had served the church as warden for many years, and was formerly an active member of the East Derbyshire and Notts Association. He was also a keen bowler and past president of the Notts Bowling Association.

The funeral at Mansfield Woodhouse on July 3rd was attended by ringers from the surrounding district, and following the interment 720 Kent Treble Bob Minor was rung by Mrs. L. W. Jacques 1, A. J. Brown 2, A. Treweek 3, C. Carr 4, L. W. Jacques (conductor) 5, C. Bleby 6. The bells were also muffled for ringing prior to the memorial service on the following Sunday.

NOTICES.

THE CHARGE FOR ONE INSERTION of a notice of a meeting is 2s. Other insertions are at the rate of 1s. each. Altered notices count as new notices.

All lines exceeding six in any one insertion are charged at the rate of 4d. per line.

The charge for notices other than of meetings is 2s. 6d. for each insertion.

NOTICES must be received NOT LATER THAN MONDAY.

KENT ASSN.—Rochester District.—Tunstall, July 21st, 2.45 p.m.

OXFORD DIOCESAN GUILD.—Annual, Oxford, Saturday, July 21st. Service in Cathedral, 11.30 a.m. Business in Chapter House, after service. Bells: St. Aldate's, 3 to 3.30 p.m.; Merton College, 3 to 4 p.m.; St. Ebbe's and St. Thomas', 3.30 to 4.30 p.m.; St. Giles' and Holywell, 4.30 to 5.30 p.m.; All Saints', 6 to 7 p.m.; Carfax, 6 to 6.30 p.m. New College and Magdalen will be announced at meeting. Lunch in Christ Church dining hall 1.30 p.m.

LINCOLN GUILD.—Elloe Deaneries and Eastern Branches.—Surfleet, July 21st, 2. Service 3.30. Tea 4. Bring own sugar.

DEVON GUILD.—Exeter and Mid-Devon Branches.—Teignmouth, Saturday, July 21st, 2.30 p.m.: St. St. Michael's (8) and St. James' (8). Service, St. Michael's, 4.30 p.m. Tea and meeting at Mudge's Cafe 5 p.m.—W. H. Howe and A. L. Bennett.

ELY ASSN.—Ely Branch.—Haddenham (6), Saturday, July 21st, 3 p.m. Service 4.30. Tea 5 o'clock, followed by meeting.—R. H. Bullen, Dis. Sec.

MIDLAND COUNTIES ASSN.—Leicester District.—Billesdon (6), July 21st. Tea and meeting, Village Hall, 5.15 p.m.

MIDLAND COUNTIES ASSN.—Hinckley District.—Kirby Mallory, July 21st, 3 p.m. Cups of tea 5 p.m. Peckleton 6.30 p.m.—W. A. Wood, Dis. Sec.

WINCHESTER AND PORTSMOUTH GUILD.—Odiham (6), Saturday, July 21st, 2.30 p.m.

HERTFORD ASSN.—St. Albans District.—Wheat-hampstead, Saturday, July 21st, 3 p.m. Tea 5 p.m. Sandridge during evening. Names to R. Darvill, 23, Elm Drive, St. Albans.

MIDLAND COUNTIES ASSN.—Derby District.—Belper (8), Saturday, July 21st, 2.30 p.m. Cups of tea provided. Bring food.—Wm. Lancaster, Hon. Sec., 83, Albert Road, Chaddesden, Derby.

WINCHESTER AND PORTSMOUTH GUILD.—Titchfield, Saturday, July 21st, 2.30 p.m. Service 4.30 p.m. Tea 5 p.m.—R. J. Stone.

ANCIENT SOCIETY OF COLLEGE YOUTHS.—Bell Foundry, Whitechapel, E.1, Saturday, July 28th, 3 p.m.—A. B. Peck.

KENT ASSN.—Ashford District.—New Romney, July 28th, 2.30 p.m. Service 4.30. Names for tea to Mr. Humphrey, 1, High Street, New Romney. — P. Page, Dis. Sec.

COVENTRY DIOCESAN GUILD.—Nuneaton, Saturday, July 28th, 3 p.m. Committee (including district secretaries) in Vestry 4 p.m. Service 4.30 p.m. tea and business 5 p.m. Names by July 26th.—D. E. Beamish, Gen. Hon. Sec., 21, Gipsy Lane, Nuneaton.

SUSSEX ASSN.—Northern Division.—Practice, Bolney, July 28th, 3 p.m. Tea 5 p.m.—A. E. Laker, Hon. Div. Sec., Balcombe.

ESSEX ASSN.—South-Eastern District. — Ingatestone, Saturday, July 28th, 2.30 p.m. Service 4.30. Tea and meeting to follow. Fryerning tower after tea. Numbers for tea by July 24th.—H. W. Shadrack, Hon. Dis. Sec., 48, Arbour Lane, Chelmsford.

PETERBOROUGH GUILD.—Northampton Branch.—Walgrave, Saturday, July 28th. Service 4.15 p.m. Bring food.—R. S. Cowley, 83, Beech Avenue, Northampton.

MIDDLESEX COUNTY ASSN.—Stanmore, July 28th, 3 p.m. Service 4.30 p.m. Tea and business meeting.—T. J. Lock.

ELY ASSN.—Wisbech Branch. — Tilney All Saints, Saturday, July 28th. Tea provided.—W. W. Cousins, Terrington St. John.

BATH AND WELLS ASSN. — Axbridge Branch. — Loxton (6), near Axbridge, Saturday, July 28th, 6.30 p.m. to 9 p.m.—E. J. Avery, Sandford, Bristol.

BEDS ASSN. — Bedford District. — Clapham (6), Saturday, July 28th, 2.30 p.m. Tea 5 p.m. — L. H. Bowler.

OXFORD GUILD.—Sonning Deanery Branch. — Practice, Waltham St. Lawrence (6), Saturday, July 28th, 6 till 9 p.m.—B. C. Castle.

KENT ASSN.—Lewisham District. — Downe, Saturday, July 28th, 3 p.m. Service 5. Names by 23rd. Bus 146, hourly, about half hour Bromley N. or S.—A. G. Hill, Hon. Dis. Sec., 53, Hengist Road, Erith, Kent.

GLOUCESTER AND BRISTOL ASSN.—Bristol City Branch.—Saturday, July 28th, Lord Mayor's Chapel (6), 3 p.m. Tea and meeting, St. Peter's, 4.30 p.m. St. John's (6) after meeting.—W. S. Emery, 34, Waverley Road, Bristol 6.

OXFORD GUILD. — Reading Branch.—Summer meeting, Shiplake, Saturday, July 28th, 3 p.m. Tea 5 p.m. Service 6 p.m. Names by July 25th to E. C. Foster, 401, London Road, Reading.

BATH AND WELLS ASSN.—Cary Branch.—Wincanton (6), Saturday, July 28th, 3 p.m. Service 4.30 p.m., tea following. Stoke Trister and Cucklington also.—H. C. Lintern.

DEVON GUILD.—Heavitree, Exeter. Practice (St. B.M. and Kent), Saturday, July 28th, 3 p.m.—8 p.m.—F. C. Smale, Hon. Sec.

SALISBURY DIOCESAN GUILD.—Aldbourne (8), Saturday, July 28th, 3 p.m. Names by July 25th to T. A. Palmer, Baydon Hill, Aldbourne, Marlborough, Wilts.

GLOUCESTER AND BRISTOL ASSN.—Gloucester Branch.—Hempstead (6), Saturday, July 28th, 3 p.m. Service 4.30. Tea 5.15. Names by July 24th to W. H. Harris, 4, G.W.R. Terrace, Lydney Dock, Lydney, Glos.

ESSEX ASSN. — Practice, Thorrington (6), Saturday, July 28th, 3.30 p.m. No tea or business. — L. Wright, Hon. Dis. Sec.

OXFORD GUILD.—E. Berks and S. Bucks Branch.—Bray, Saturday, July 28th, 5 to 8 p.m.—A. D. Barker, Cambridge, Wexham, Slough, Bucks.

SUFFOLK GUILD.—Bury St. Edmunds (8 and 10), Saturday, July 28th, 2.30 p.m. Tea and Meeting. Names by July 25th to Mr. W. R. Goodship, 48, Southgate Street, Bury St. Edmunds.

ANCIENT SOCIETY OF COLLEGE YOUTHS. — Practice at St. Michael's, Cornhill, July 31st, 7 p.m. Next business meeting, Bell Foundry, Whitechapel, Aug. 11th, 3 p.m.—A. B. Peck.

KENT ASSN.—Tonbridge District.—Seal (6), Saturday, Aug. 4th. Service 4.15. Tea at Copper Kettle 5 p.m. Names by Aug. 1st to T. Saunders, East Peckham, Tonbridge.

BATH AND WELLS ASSN.—General meeting Wrington (10), Aug. 6th, 10.30 a.m. Service 12 noon. Lunch 1 p.m. Business follows. The eights at Backwell, Blagdon, Congresbury and Yatton open after meeting. Tea 4.30.—J. T. Dyke, Chilcompton, Bath.

HEREFORD GUILD.—Annual, Hereford, Monday, Aug. 6th. Committee 11.30 a.m. Tea (1s.) 4.15 p.m. Business 4.45 p.m.; all in College Hall. Service in Cathedral 3.30 p.m. Bells from noon: Holmer (6), St. Nicholas' (6), All Saints' (8), Cathedral (10) from 12.15. Numbers for tea before Aug. 1st to Rev. E. G. Benson, Burghill Vicarage, Hereford.

GUILDFORD GUILD and SURREY ASSN. — Leatherhead, Monday, Aug. 6th. Service 4.45. Tea at the Duke's Head 5.30. Numbers to G. Marriner, 7, Poplar Avenue, Leatherhead, by Aug. 2nd.

MIDDLESEX COUNTY ASSOCIATION.

MEETING AT STAINES.

A meeting of the South and West District of the Middlesex County Association, held at St. Mary's, Staines, on July 7th, was attended by over 40 members and friends from Ashford, Kent, and Ashford, Middlesex, Bishopsgate (St. Botolph's), Chertsey, Ealing (St. Stephen's), Erith, Greenwich, Heston, Hillingdon (St. Andrew's and St. John's), Hounslow, Norwood Green, Old Windsor, Osterley, Ottershaw, Oxhey, Reading, Ruislip, Slough, Staines (St. Mary's and St. Peter's), Twickenham and Uxbridge. The methods rung included Grandsire and Stedman Triples, Plain Bob and Kent Treble Bob, and Cambridge and London Surprise Major and rounds.

Mr. D. Edwards, of Norwood Green, was elected a member, and the date of the general meeting at Acton on August 18th was confirmed by Mr. E. C. S. Turner. It was announced that a memorial to the late Mr. W. H. Fussell will be dedicated at Slough Parish Church on September 15th, and that all who knew Mr. Fussell would be invited to attend. Details of proposed arrangements were given.

A choral service in the church was conducted by the Rev. H. M. Kirby, who welcomed the association to Staines, and gave an address on the history of bells. A solo, 'The Church Bells of England,' was rendered by Mr. Ronald Bedford, and special hymns were sung.

After the service, at the invitation of Mr. W. R. Low, churchwarden, and the church authorities, tea was provided at the Majestic Cinema, at which the Rev. H. M. Kirby and Mr. and Mrs. Low were present. Mr. E. C. S. Turner and Mr. J. E. Lewis Cockey expressed the thanks of those present to Mr. Low and the church authorities, to Mr. E. W. Butler, the organist, and the choir.

ESSEX ASSOCIATION.

MEETING AT PRITTLEWELL.

A meeting of the South-West Division of the Essex Association was held at Prittlewell on July 14th, when some 30 members were present from Brentwood, Springfield, Leytonstone, Wanstead, Orsett, Fobbing, Maldon, Waltham Abbey, Leigh-on-Sea, Shenfield, Croydon, Hillingdon, Darley Dale and the local belfry. The methods rung included Grandsire and Stedman Triples, Grandsire and Stedman Caters, Kent Treble Bob Royal, Double Norwich, Cambridge Major and rounds.

The service was choral and was conducted by Archdeacon Gowing, who in his address emphasised that ringers should as far as possible worship as well as ring for service. The job was well done when there was that co-ordination.

Tea was provided by the local band and served by Mrs. F. Lufkin and friends. The District Master, Mr. J. Chalk, presided over the business meeting. Two ringing members had recently died, Mr. R. Watts (Prittlewell) in the Royal Navy, and Mr. G. F. Margetson (Rayleigh) at the age of 94. The District had lost one of its keenest honorary members, the Rev. T. J. Ison, Rector of Woodford. Mr. C. Hughes (Leyton) had recently been discharged from hospital after a successful operation.

Mr. J. G. Saunders, of Darley Dale, was elected as a non-resident member, and Loughton was chosen as the place of the September meeting. A collection for the Bell Restoration Fund amounted to 12s. 2d.

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