

The B.C.F. and Union Grading Lists for 1961 [BCM, Jan 1962, pps 1-8]

(1) The B.C.F. and Union Grading Lists are published below. They cover each player's aggregate performance for the two years ending September 30th, 1961. The method of calculation is described in the B.C.F. Year Book for 1957-58 (*now out of print—Ed.*).

(2) This has been a good period for the leading players, most of whom have improved their position in the List. There are now five in Grade 1a and 1b, compared with two last year. Of the nine in the top three grades, six have gone up since last year. C. Kottnauer has joined J. Penrose in 1a, P. H. Clarke and H. Golombek have joined C. H. O'D. Alexander in 1b, L. W. Barden, J. E. Littlewood, and P. S. Milner-Barry have joined M. J. Haygarth in 2a. The successful England team against Holland in October consisted of these nine, less M. J. Haygarth (who could not play), together with R. G. Wade (who slips back rather unluckily to 2b because of some poor performances in relatively unimportant events) and A. S. Hollis (who moves up from 3b to 2b in one jump).

(3) J. Penrose, who is in 1a for the third year running, has been made an International Master (I.M.) by the F.I.D.E. C. Kottnauer, now a naturalized citizen, automatically qualifies for the title of British Master (B.M.), both by virtue of his I.M. title and by his performance in previous Lists; 1b in 1955, 1a in 1956, 1957, and in the present List. The sad death of E. G. Sergeant, one of the original holders of the title, leaves the number of British Masters in balance unchanged at thirteen-

C. H. O'D. Alexander (I.M.)
V. Berger
R. J. Broadbent
P. H. Clarke
W. A. Fairhurst (I.M.)
S. Fazekas (I.M.)
H. Golombek (I.M.)
C. Kottnauer (I. M.)
P. S. Milner-Barry
J. Penrose (I.M.)
Sir George Thomas (I.M.)
T. H. Tylor
R. G. Wade (I.M.)

L. W. Barden has now had five of the required six appearances in 2a; M. J. Haygarth has three—so there is every reason to expect further additions to the List in the next few years.

(4) The improvement in the position of the leading players appears to have brought with it some worsening lower down, for the B.C.F. List has only thirty-one names, compared with thirty-eight last year and a previous minimum of thirty-six. No fewer than fourteen people have dropped out of the List, G. Abrahams and S. Milan because of insufficient play and the rest because of worse performance. There are seven newcomers since last year. Three of them have appeared before: R. J. Broadbent, D. G. Horseman, and J. B. Howson. The four who appear in the B.C.F. List for the

first time are: P. Harris (Mutual, Birmingham), A. S. Hollis (West London and Oxford University), N. A. Perkins (G.P.O. and Finchley), and D. G. Springgay (Brighton).

(5) The total of the B.C.F. and Union Lists down to 6b is 896 compared with 689 last year. For the first time the Welsh Chess Union has prepared a List. The following are the numbers—

<i>Grades 3a and above [>208]</i>	<i>Number of Players</i>
B.C.F. National List	31
 <i>Grades 3b-6b [153-208]</i>	
S.C.C.U./London Chess League (S)	437
M.C.C.U. (M)	213
N.C.C.U. (N)	134
W.E.C.U. (W)	75
Welsh Chess Union	6

B.C.F. NATIONAL LIST

Grade 1a (2)

C. Kottnauer (IM: 2a)

J. Penrose (IM: 1a)

Grade 1b (3)

C. H. O'D. Alexander (IM: 1b)

P. H. Clarke (BM: 2a)

H. Golombek (IM: 2a)

Grade 2a (4)

L. W. Barden (S: 2b)

M. J. Haygarth (N: 2a)

J. E. Littlewood (M: 2b)

P. S. Milner-Barry (BM: 2b)

Grade 2b (6)

J. M. Aitken (W: 2b)

A. W. Bowen (S: 3a)

M. J. Franklin (S: 2b)

A.S. Hollis(S: 3b)

K. W. Lloyd (M: 3a)

R.G. Wade(IM: 2a)

Grade 3a (16)

R. J. Broadbent (BM: 3b)

B. Cafferty (M: 2b)

J.A. Fuller (S: 3a)

P. C. Gibbs (N: 3a)

P. Harris (M: 3b)
C.G. Hilton (N: 3a)
D. G. Horseman (M: 3b)
J. B. Howson (S: 3b)
H. Israel (S: 3a)
D. V. Mardle (W: 2b)
F. Parr (S: 3a)
R. Payne (S: 3a)
N. A. Perkins (S: 3b)
D. E. Rumens (S: 3a)
D.G. Springgay (S: 3b)
P.N. Wallis (M: 3a)

UNION LISTS

Grade 3b (36)

S.C.C.U./L.C.L. (19)

M. Blaine (Hampstead; 3b)
J. G. Brogden (North Thames Gas, Wimbledon; 3b)
M. F. Collins (A.E.R.E., Oxon; 3a)
A. H. Challis (C.A.C.O., Coulsdon West)
M. Davis (Cambridge University; 3a)
Dr. S. Fazekas (West Ham; 3b)
N. L. Freeman (Harrow; 4a)
R. A. Fuller (Bowrings, West Ham; 3b)
C. F. Girling (Gravesend, Westminster Bank; 3b)
A. Y. Green (Athenaeum; 3a)
D. E. Lloyd (West Ham, Ministry of Aviation; 3b)
D. G. Mackay (Battersea, Surrey; 3a)
A. K. May (Richmond and Twickenham, Durham; 4a)
R. H. Newman (Surrey; 3a)
D. B. Pritchard (Air Ministry; 3a)
D. E. A. Riley (Bedfordshire; 4a)
M. Macdonald-Ross (Scotland; 3b)
E. Strauss (Maidenhead, Bucks)
W. Veitch (CUACO, Richmond and Twickenham)

M.C.C.U. (6)

O. M. Hindle (Sutton Coldfield; 3b)
P. J. Oakley (Sutton Coldfield; 3a)
P. D. Sanderson (Leicestershire; 3b)
R. Starosolsky (Imperial Typewriter, Leicestershire; 3b)
C. G. Tayar (Birmingham; 4a)

B. H. Wood (Sutton Coldfield; 3a)

N.C.C.U. (9)

T. J. Beach (Liverpool; 3b)

J. H. Beaty (Wakefield, Doncaster; 3b)

Dr. V. T. Buchwald (Manchester; 3b)

R. B. Edwards (Harrogate; 3b)

M. Firth (Oldham, Hull; 4b)

A. M. Hallmark (Harrogate; 3a)

J. M. Myers (York; 3b)

J. D. Taylor (Wakefield; 3b)

J. Wolstenholme (Manchester; 3a)

W.E.C.U. (2)

J. Ansell (Gloucestershire; 3a)

A. R. B. Thomas (Devon; 3a)

Grade 4a (64)

S.C.C.U./L.C.L. (32)

L. Alexander (Athenaeum, Surrey)

F. W. Allen (Battersea, UNATS)

Dr. G. A. C. Ashcroft (Battersea, Patent Office; 4a)

C. G. Butcher (G.P.O., Wimbledon; 3b)

P. B. Cook (Ilford, Inland Revenue; 4a)

J. R. Cooke (Bowrings, Ilford; 4a)

H. G. Felce (Lloyds Bank, Sutton and Cheam; 4a)

J. A. Fidler (Richmond and Twickenham; 4a)

C. Jahn (Harrow; 4a)

T. Jover (Wimbledon; 4a)

E. Leyns (Stock Exchange, Hertfordshire; 4b)

D.J. McCue (R.A.E., Farnborough, Ministry of Aviation; 4a)

P. J. Meade (Cambridge University, Cambridgeshire; 4a)

K. C. Messere (Customs and Excise; 4a)

J. S. Parker (Wimbledon; 3b)

A. Philpott (Finchley, Middlesex; 4b)

Mrs. E. Pritchard (Buckinghamshire)

J. S. Regruto (Battersea, Midland Bank; 4b)

D. G. A. Shallcross (Kingston and Thames Valley)

R. A. Slade (British Museum, Coulsdon West; 3b)

G. H. Stephens (Richmond and Twickenham; 4a)

E. L. Stuart (Ministry of Labour; Coulsdon West; 4a)

J. Tennant-Smith (Finchley, London Central Y.M.C.A.)

A. A. Thomson (Richmond and Twickenham, Surrey; 4a)
Miss E. B. Tranmer (Hampstead, Middlesex; 4b)
M. E. Ventham (Slough Social Centre, Hampshire; 4b)
G. W. Wheeler (London University, Devon; 4b)
T. M. Wheatcroft (West London, Hertfordshire; 3b)
J. R. White (Lloyds Bank)
M. W. Wills (Metropolitan, London Central Y.M.C.A.; 4b)
Dr. M. E. Wise (Mitcham, Surrey)
W. J. E. Yeeles (Kent; 4a)

M.C.C.U. (11)

R. W. Bonham (Bonham Club; 4a)
H. E. G. Courtney (Bonham Club)
J. A. Lawrence (Kynoch; 4a)
W. R. Morry (Erdington; 4b)
H. Morton (Rolls-Royce, Derby)
Dr. L. B. Pawson (Grimsby; 4b)
C. Powell (Daimler; 4b)
K. B. Richardson (Nottingham Mechanics; 5a)
R. J. Stockwell (Leicester University; 5b)
W. Tabakiernik (Imperial Typewriter, Leicestershire; 3b)
J. M. Tayler (Braunstone; 4a)

N.C.C.U. (14)

E. G. Berg (Bradford; 4a)
V. Dilworth (East Cheshire; 4a)
D. G. Ellison (Bolton; 4a)
P. C. Hoad (Liverpool; 4a)
N. Littlewood (Sheffield; 4a)
D. J. Mabbs (Sheffield University, Cedars; 4b)
D. Malcolm (Liverpool, Sutton and Cheam; 4b)
J. W. Naylor (Liverpool; 4a)
Dr. B. H. Neumann (Manchester; 4a)
J. E. Povey (Leeds; 4a)
H. G. Rhodes (Southport; 3b)
V. J. A. Russ (Southport; 4a.)
F. N. Stephenson (Middlesbrough)
C. W. Warburton (Warrington; 4a)

W.E.C.U. (7)

M. D. Bissell (Gloucestershire; 5b)
R. M. Bruce (Devon; 4a)
J. A. Henley (Somerset; 4b)

J. E. Jones (Devon; 4a)
M. E. Poolake (Gloucestershire; 4a)
R. H. Northage (Somerset)
N. A. Macleod (Gloucestershire; 4b)

Grade 4b (75)

S.C.C.U./L.C.L. (46)

J. Allen (Rochester; 6a)
J. H. B. Bennett (Metropolitan; 5a)
R. E. Borland (N.P.L., Wimbledon; 4a)
G. H. Davies (Finchley; 4b)
J. K. Footner (Oxford University)
D. Futter (Athenaeum; 5a)
J. Gilchrist (Inland Revenue, Metropolitan; 4b)
B. E. Glaze (Inland Revenue, Metropolitan; 4b)
A. Hall (Cedars, Sussex; 4b)
G. B. Hardingham (Harlow; 4b)
J. B. Hawson (Ilford; 4b)
P. W. Hempson (Inland Revenue, West Ham; 4b)
S. G. Hill (Metropolitan, Ministry of Labour; 5a)
A. Hirsch (Finchley)
P. J. Holt (Hayes, Middlesex)
R. Hughes-Hallett (West London; 4b)
C. H. Jago (National Provincial Bank, Wimbledon)
S. M. Kalinsky (West Ham; 4b)
M. Lambshire (Lewisham, Kent; 5b)
T. J. Legg (Wallington and Carshalton, Surrey; 5a)
D. G. Levens (Cedars, Middlesex; 5a)
H. P. Lieske (Wallington and Carshalton, Surrey; 4b)
A. J. McMinn (Streatham and Brixton, Surrey; 4b)
H. G. T. Matchett (Hastings, Sussex; 4b)
A. Mazitis (Finchley, Middlesex; 4b)
J. A. Moore (Metropolitan, Essex; 5a)
A. J. Morrell (Ilford, Sutton and Cheam; 4b)
A. E. Nield (St. Leonards; Sa)
K. M. Oliff (Ilford, Cedars; 4b)
P. W. Parkes (Westminster Bank; 4a)
R. C. Pentecost (Lewisham, Kent; 5b)
W. P. Pepper (Ealing, Middlesex; 4a)
L. S. Perry (Patent Office, Maidenhead; 4a)
M. R. Porter (Old Parkonians, Ilford; 4b)
W. H. Pratten (Fareham, Hampshire; 3b)
W. E. C. Richards (Patent Office, Surrey; 4b)
R. Smith (Ashtead, Inland Revenue; 4b)

T. J. Soutar (Stationery Office)
Dr. B. Sturgeon (Ilford, Upminster; 4a)
J. H. Swan (Norwich, Norfolk; 5a)
M. L. Thompson (Southampton, Hampshire; 5a)
F. E. Tinworth (Metropolitan, Metropolitan Water Board; 4a)
G. Walley (Bedford, Bedfordshire; 4b)
R. Weisz (Wimbledon Surrey; 4b)
R. G. White (Coulson West, Stock Exchange; 4b)
H. I. Woolverton (Ilford, East Ham; 4b)

M.C.C.U. (12)

C. G. Burton (Hodge Hill; 4b)
P. B. Dobson (Nottingham Mechanics; 4b)
Dr. B. G. Dudley (Stourbridge; 4b)
C. Duffield (Victory; 4b)
M. P. Furnston (Birmingham; 4b)
T. Harman (Daimler; 5a)
I. B. N. Smith (Leicester University; 4b)
M. H. Stevenson (Wolverhampton Kipping; 4b)
G. N. Stokes (Solihull; 5a)
J. H. Watts (Sphinx, Coventry; 4b)
J. F. Wheeler (University College, North Staffordshire; 4b)
C. B. Wood (Sutton Coldfield, 5a)

N.C.C.U. (8)

Dr. C. G. Addingley (Leeds; 4b)
G. Bancroft (Manchester; 5a)
W. C. Evans (Sheffield; 5a)
D. B. Grayson (Manchester; 4a)
I. Goldberg (Leeds; 4b)
D. Lees (Liverpool, Liverpool University; 5a)
J. H. Pollitt (Manchester; 4b)
G. M. Sheldrick (Huddersfield; 5a)

W.E.C.U. (8)

J. Anderson (Dorset; 4b)
J. C. Cock (Gloucestershire; 4a)
C. Welch (Gloucestershire; 4b)
D. G. Wells (Gloucestershire; 4b)
R. T. Lewis (Gloucestershire)
A. R. Pitt (Gloucestershire; 4a)
R. O. Powis (Gloucestershire; 4b)
D. Bonner (Somerset; 4b)

Welsh C.U. (1)

P. Bennett (Newport, London University)

Grade 5a (137)

S.C.C.U./L.C.L. (73)

J. B. Adams (Islington)
N. J. Argyris (West London; 5a)
A. R. A. Baker (Oxford City)
R. L. Barnett (E.M.I.)
J. M. Bee (Metropolitan; 5a)
A. Bernfield (L.C.C., Metropolitan; 5a)
D. A. Betts (Athenaeum; 5a)
M. Biggs (Admiralty, Battersea; 4b)
B. Bilski (Clapham Common, South Norwood; 4b)
Dr. E. N. Bramley (Slough Social Centre; 5a)
J. Bzowski (Polish Y.M.C.A.; 5a)
P. J. Camminis (Metropolitan; 5b)
T. I. Casswell (Hampstead; 5a)
N. A. Corry (C.A.C.O., Waltham-Leyton; 5b)
S. E. E. Cranmer (Metropolitan; 5b)
K. M. Davis (Battersea, Northern Assurance)
Dr. P. Dean (N.P.L., Waltham-Leyton; 5a)
K. A. R. Drane (Ministry of Aviation; 5a)
R. G. Duce (Lensbury; 5b)
W. Dunstan (Hampstead; 5a)
A. R. Fersht (Waltham-Leyton, West Ham; 5a)
R. W. G. Fletcher (East Ham, Inland Revenue)
H. W. Gamble (Battersea; 5a)
J. R. Gilbert (Inland Revenue, Metropolitan; 5b)
L. A. J. Glyde (Ilford, Ministry of Housing; 4b)
G. H. Govas (Harrow; 4a)
B. Green (West Ham; 5a)
R. R. Greenfield (Inland Revenue; 5a)
D. J. Groen (Richmond and Twickenham, Surbiton)
B. H. Hare (Cedars; 5a)
R. F. Harman (Islington, Metropolitan; 5a)
J. Hobbs (North Thames Gas)
R. Jessop (Barclays Bank, Ilford; 4b)
N. R. Kablean (Lloyds Bank; 5a)
R. C. Kennedy (Metropolitan; 4b)
M. J. Lester (Streatham and Brixton, Surrey)
D. Le Surf (Streatham and Brixton, Surrey; 5a)

H. C. Lewis (Wallington and Carshalton, Customs and Excise; 5a)
D. Machell (Redhill, CUACO)
B. G. Millis (West London; 5b)
G. M. Norman (West London. Sutton and Cheam; 5a)
G. C. Nurse (Insurance, Sutton and Cheam; 5b)
P. C. Owen (Richmond and Twickenham, Surrey; 5a)
J. T. Pascoe (West Ham, Essex; 5a)
J. E. Pattle (West London; 5a)
D. B. Pennyquick (Cambridge University, Cambridgeshire; 5a)
R. Pinner (Richmond and Twickenham. Surrey; 4b)
A. P. Primett (Inland Revenue, Hertfordshire; 5a)
C. G. Rains (Westminster Bank, Ilford; 5a)
J. E. Redon (Battersea, Middlesex; 5a)
D. J. Rogers (Acton; 5a)
K. S. Schofield (Harrow, Metropolitan Water Board; 5a)
J. I. P. Simpole (Brighton, Sussex; 5b)
E. J. Simpson (Sutton and Cheam, Surrey; 5a)
J. E. Slaughter (Insurance, Kent; 5a)
I. C. Smart (Ashted, Surrey; 5b)
R. E. Smith (Tunbridge Wells, Kent)
J. M. Soesan (Ilford, Lensbury, Essex; 4a)
R. Speirs (E.M.I., Middlesex; 4b)
N. R. Springall (Ealing, Middlesex; 5b)
J. R. Stock (Southend. West Ham; 5a)
Miss P. A. Sunnucks (Finchley, Middlesex; 4b)
A. K. Swift (Lewisham, Kent; 5b)
G. Tarjan (B.B.C., Middlesex; 6a)
P. Tillson (Ashted, Inland Revenue; 4b)
G. H. F. Tredinnick (Insurance; 5a)
F. W. Viney (Finchley, G.P.O.; 5a)
P. R. Vivian (Barnes Village, Stationery Office; 5a)
R. A. Wagstaff (Bowrings, Ilford; 5a)
P. G. Wann (Redhill, Surrey; 5b)
A. Whiteley (Oxford City, Oxfordshire)
M. Whiting (Richmond and Twickenham, Middlesex; 5b)
S. Wilkinson (Loughton, Essex; 4b)

M.C.C.U. (25)

M. W. Alford (Courtaulds, Coventry; 5b)
D. W. Anderton (Wolverhampton Kipping; 5a)
G. D. Carlin (Braunstone; 5a)
A. A. Castle (Leicestershire; 5a)
E. B. Chapman (Nalgo, Leicestershire; 4b)
P. E. Collier (Leicestershire; 5a)
C. Cordel (Leicestershire; 4b)

N. Crabtree (Courtaulds, Coventry; 6a)
C. E. R. Cull (Mutual, Birmingham)
J. V. Dawkins (Coalville, Birmingham University; 5a)
D. O. Gould (Leicestershire; 5a)
C. Hammersley (City of Birmingham; 5a)
D. M. Holmes (Hodge Hill; 5a)
G. Homer (West Bromwich; 5a)
J. T. Jarvis (Appleby-Frodingham; 6a)
V. G. Jenson (Wolverhampton Kipping; 5a)
D. C. McKee (Boots; 4b)
D. Saunderson (Chesterfield; 5a)
G. C. Taylor (Kynoch; 5a)
P. M. Thomas (Leicestershire; 5b)
T. E. Waits (Worcester City; 5a)
J. L. Warren (Leamington; 4b)
O. Weiss (Leicestershire; 5b)
A. Wigmore (Nottingham Mechanics; 5a)
V. H. Woodward (Leicestershire; 5b)

N.C.C.U. (24)

P. R. Bielby (Huddersfield; 5a)
A. P. Borwell (York; 5a)
D. M. Dennison (Wakefield)
J. Fletcher (Bolton)
B. Grimshaw (Manchester; 5a)
O. H. Hardy (Wakefield, Dewsbury; 5b)
P. J. Harrison (Bolton)
R. D. Hollands (Wakefield; 5a)
B. H. Hughes (Wallasey; 5b)
L. R. Kirkcaldy (Wallasey; 5b)
T. A. Leigh (Warrington)
E. Ligema (East Cheshire; 5a)
D. G. MacDonald (Sheffield University, Cheshire)
P. G. Moore (Stockport; 5a)
J. R. Nicolson (Manchester; 4b)
R. J. Platt (Prescot)
R. P. Ross (Hull; 5b)
J. E. Scholes (Sheffield)
D. A. Smith (Sheffield University, Durham; 5a)
Dr. R. J. Still (Leeds; 5a)
A. F. Stobo (Manchester; 5a)
H. M. Temkin (Liverpool; 5b)
B. L. Wilkinson (Preston; 5a)
A. Yates (Manchester)

W.E.C.U (14)

A. W. Busby (Cornwall)
J. Cullum (Gloucestershire; 5a)
A. L. Gordon (Devon; 5a)
P. Keffler (Somerset; 5a)
A. Lowe (Somerset)
W. Knight (Gloucestershire)
I. Sifton (Devon; 4b)
E. G. Walker (Somerset; 5b)
P. E. Walker (Somerset; 5a)
R. Garside (Gloucestershire; 5a)
A. W. Thomas (Gloucestershire; 6a)
D. Richards (Devon)
W. H. Cozens (Somerset; 5a)
Dr. B. A. Crook (Somerset)

Welsh C.U. (1)

J. D. Mills (Pontypridd, Cardiff; 5a)

Grade 5b (168)

S.C.C.U./L.C.L. (92)

A. J. Amor (Acton; 5b)
J. C. Bacon (Midland Bank)
R. E. Banwell (Islington; 5a)
A. V. Bassi (Metropolitan Police)
F. R. G. Benians (Richmond and Twickenham; 6a)
D. K. Bevis (Bournemouth, Knights; 5b)
H. Booth (Oxford City; 6a)
R. Bott (Streatham and Brixton; 5b)
E. B. Bowyer (Southend)
W. L. Brierley (Beckenham; 5b)
M. J. Bruton (Oxford City)
J. W. Cash (Cambridge City)
S. G. R. Champ (Admiralty, South Norwood; 6a)
A. G. Cooke (Wallington and Carshalton; 4b)
P. A. Cooke (Battersea, Ministry of Housing; 6a)
W. A. Cordon (Bedford)
R. Creamer (Metropolitan Police)
P. A. Del Nevo (Cowley Commercial Centre)
A. Dennehy (Ealing)
L. J. Dent (Harrow; 5b)
B. Dickinson (Balliol College)

P. Dobber (Netherlands Bank of South Africa)
V. J. Dunleavy (Clapham Common, Wallington and Carshalton; 6a)
G. Eisenberg (Ministry of Works, Romford; 5a)
R. G. W. Elwell (Lewisham, Streatham and Brixton)
H. T. Ennis (Esso, St. Pancras; 6a)
J. Eyre (L.C.C., Southgate; 5b)
J. Foley (L.C.C., Maurice)
A. F. Footner (Oxford City)
Dr. R. G. Fricker (Lewisham; 6a)
G. C. Galustian (Surbiton)
H. C. Garner (N.P.L.; 6a)
J. O. Glanville (Imperial College, Wimbledon; 5b)
H. Green (Wimbledon; 5b)
S. Golding (West Ham; 6a)
J. M. Hancock (Battersea)
J. E. Haynes (Sutton and Cheam)
T. L. Herdman (Ministry of Aviation, Sidcup; 6a)
G. C. Hitches (E.M.I., Gerrards Cross; 6a)
K. M. Hogan (Islington)
M. R. Holloway (Wimbledon)
A. J. Hooke (Insurance, Sussex; 5a)
L. B. Hunt (Air Ministry, Coulsdon West)
D. E. Hustler (South Norwood)
C. R. Hutchings (Ealing; 5b)
R. E. James (Insurance, Sutton and Cheam; 6a)
N. J. W. Joyce (Ilford; 5a)
J. T. Keable (Croydon, Wimbledon; 5b)
Dr. N. Lawrence (Oxford City, Oxfordshire)
S. Leff (Islington and North London, Middlesex; 5a)
A. C. Lewis (Richmond and Twickenham, Gravesend; 5b)
B. Loyons (Wimbledon, Inland Revenue; 5a)
B. McCabe (Wimbledon, Midland Bank; 5b)
V. Maluga (Bedford, Bedfordshire)
J. H. Manners (Sutton and Cheam, Lloyds Bank; 6a)
T. O. Marsden (Cedars, Middlesex; 5b)
W. G. Mathews (Barrow)
D. Mattingly (Insurance, Surrey; 5a)
R. E. Mattocks (Coulsdon West, Surrey; 6a)
L. J. Mills (Aylesbury, Buckinghamshire)
J. J. Moore (Metropolitan; 5a)
M. Duda-Morena (John Lewis, Polish YM.C.A.)
V. A. Nye (Mitcham, Surrey)
A. M. Pfob (Norwich, Norfolk; 6a)
Dr. A. J. Pointon (Portsmouth, Hampshire)
A. C. Pond (Norwich, Norfolk; 5b)
G. R. Pope (Lewisham, Kent; 5b)

F. J. Prouse (Wimbledon, Surrey; 5a)
T. Pruchnicki (Polish Y.M.C.A., Middlesex; 6a)
J. R. Read (West Ham, Essex)
M. J. Reddie (Orpington, Alliance Insurance; 4b)
S. Reuben (London University, Middlesex; 4b)
P. Rosengarten (Finchley)
H. E. Ruben (Hendon, E.M.I.; 5a)
R. H. Rushton (Luton; 5b)
I. P. Russell (Customs and Excise)
G. W. Rutland (Metropolitan; 5b)
E. B. Sandercock (Gerrards Cross, Buckinghamshire; 5a)
S. R. Saxena (Hampstead)
G. J. Sparkes (Norwich, Norfolk)
J. A. Spiegel (West Ham, Southend; 5b)
G. L. Sutton (Wallington and Carshalton; 5a)
C. L. Tadiello (Lloyds Bank, Reading; 5a)
R. J. Tayler (Atomic Energy Research Establishment, Hertfordshire)
J. C. Thompson (Beckenham, Government Chemists)
P. J. Unway (B.B.C., Hertfordshire; 5b)
L. E. Vine (Southampton, Hampshire; 5a)
J. N. Walker (Cowley Community Centre, Oxfordshire; 5b)
Sir P. Waterfield (Lensbury, Wallingford)
A. Weber (Clapham Common, Surrey; 5b)
W. G. Whitaker (Athenaeum, Gerrards Cross; 5b)
A. W. Whitebread (Battersea)

M.C.C.U. (39)

M. Alcock (Penkhull, Stoke; 5b)
Dr. E. G. Ansell (City of Birmingham; 5b)
R. Asch (Solihull)
J. H. Baines (West Bromwich; 5b)
D. W. R. Bell (Birmingham)
C. H. Blasdale (Nottingham Mechanics; 5b)
A. G. Burbidge (Kynoch; 5b)
J. G. Cooper (Nottingham High School)
J. Deen (Bablake, Coventry)
R. Dunmore (Sphinx, Coventry)
K. R. Emerton (Leicestershire, Birmingham University; 5a)
J. Fellows (Wolverhampton; 5b)
G. Folwell (Nalco, Leicestershire; 6a)
Dr. H. D. Gemmell (Shrewsbury)
W. J. Gordon (Smethwick; 6a)
G. Hill (Sutton Coldfield; 5a)
A. L. Homer (Stourbridge; 6a)
B. D. Hopkins (Bournville; 5b)

B. E. Knowler (Scunthorpe)
T. Lee (Centre, Coventry; Kenilworth; 6a)
A. J. Markin (Birmingham University; 6a)
G. Mills (Olton, Birmingham; 6a)
A. R. Millward (Bell Green, Coventry)
B. Milner (Erdington; 5a)
A. Mushens (Shrewsbury)
H. D. Needham (Imperial Typewriter, Leicestershire)
Dr. M. O. Schnabl (Centre, Coventry; 5b)
R. S. Scowen (Leicestershire; 5a)
G. H. Simmons (Appleby-Frodingham; 5b)
B. T. H. Smith (Wigston; 5b)
J. C. Sturrock (Walsall Kipping; 5b)
A. J. Sutton (English Electric, Stafford, West Bromwich; 5b)
J. F. Thompson (Scunthorpe Y.M.C.A.)
G. Twardoclieb (Braunstone)
B. G. Wallis (Leicestershire; 6a)
E. V. Wileman (Sutton Coldfield; 5b)
Miss M. E. E. Wood (Sutton Coldfield; 6b)
R. F. T. Wood (Sutton Coldfield; 6a)
Dr. N. Young (Walsall Kipping; 6a)

N.C.C.U. (19)

W. M. Ainsbury (East Cheshire; 5b)
R. A. Beach (Liverpool; 5b)
R. C. Beevers (Sheffield; 6a)
J. D. T. Boyers (Middlesbrough)
G. Chesters, Jnr. (Cheshire Juniors)
S. Crookes (Sheffield; 5b)
Dr. W. Edge (Salford; 6a)
D. Holmes (Halifax; 6b)
R. W. Ives (Leeds; 5a)
V. W. Knox (Cheshire Juniors)
M. Lally (Manchester)
A. Lester (Warrington; 5b)
W. A. Oddy (Harrogate; 5a)
D. I. W. Reynolds (Wallasey)
J. S. Ridgway (Manchester; 5b)
P. Starling (Durham; 5a)
J. L. Seppings (York; 6b)
J. G. Weller (Manchester; 5a)
G. Williams (Swinton; 6a)

W.E.C.U. (17)

K. J. Bloodworth (Devon; 6a)
S. H. Brocklesby (Somerset; 5b)
Mrs. R. Bruce (Devon; 5a)
A. A. Collyer (Somerset)
A. Cullinane (Gloucestershire)
R. A. Fenn (Gloucestershire; 5b)
D. R. Hopkin (Gloucestershire)
L. C. Lewis (Devon; 5b)
R. M. Morgan (Somerset; 5b)
C. C. Parsons (Somerset; 6a)
P. Ralph (Devon)
R. H. Wilding (Gloucestershire)
R. Nash (Gloucestershire)
J. Palmer (Gloucestershire)
A. H. McCormick (Somerset)
H. Shirley (Cornwall)
F. Teague (Cornwall)

Welsh C.U. (1)

Dr. G. L. Lewis (Swansea)

Grade 6a (192)

S.C.C.U./L.C.L. (88)

A. K. Abel (Cedars)
F. M. Akeroyd (Cambridgeshire; 6a)
G. A. Ashby (Board of Trade; 6a)
A. G. Barker (Norwich)
T. E. Barnett (North Thames Gas, Wood Green; 6a)
G. E. Bayliss (Islington; 5b)
B. G. Bell (C.U.A.C.O., Orpington)
A. E. Bower (Waltham-Leyton)
T. Breen (Metropolitan)
R. Bridgewater (Headington)
B. Goulding-Brown (Cambridge City; 6a)
A. F. T. Campbell (Lloyds Bank; 5b)
G. Canter (Harrow; 6a)
S. R. Capsey (Finchley)
I. Cohen (Waltham-Leyton; 6a)
M. Colquhoun (Richmond and Twickenham; 6a)
T. Cook (St. Pancras)
S. Davids (Midland Bank)
K. W. Davis (Air Ministry)
G. Daw (Woolston; 5b)

G. H. Diggle (Lloyds Bank)
Dr. F. Din (Staines; 6a)
P. L. Eastwood (Battersea, Hampshire; 6a)
A. M. Edmonds (Woolston; 6a)
B. J. Ellis (Bedfordshire)
E. F. Fairbrother (Ministry of Pensions, Richmond and Twickenham; 6a)
E. Fielder (Battersea; 6a)
J. Flamberg (Ilford; 6a)
R. D. Fleming (Inland Revenue)
D. Flint (Ashted)
D. C. George (Cedars)
B. M. Gibbs (Bedford)
A. Gobran (Cedars)
K. E. R. Green (Phoenix)
J. A. Feavyour (Oxford University)
F. G. Griffiths (Richmond and Twickenham; 5b)
S. J. Groak (Hendon)
D. W. Haigh (C.U.A.C.O., Surrey; 5b)
D. Hamilton (Lewisham)
D. A. W. Hamilton (Metropolitan, Sussex)
S. N. Hancock (Bardhill, Harrow; 6a)
P. Handsaker (British Museum)
A. K. Henderson (Canterbury)
E. L. Hobbs (Bromley, South Norwood; 5b)
G. R. D. Hogg (Barnes Village, N.P.L.; 6a)
J. Horrocks (Civil Service; 6a)
D. Irving (Wimbledon)
N. Jacobs (Hendon)
J. J. Lauder (Wimbledon, Surrey)
J. A. Lee (Richmond and Twickenham)
S. C. Love (Westminster Bank, Wimbledon; 6a)
D. W. Lovejoy (Richmond and Twickenham)
D. R. May (East Ham, Essex)
Dr. A. Melderis (British Museum, Lewisham)
D. Munro (Wimbledon, Lloyds Bank)
M. A. Murray (West Ham, Essex)
A. Niedzwiedzki (Buckinghamshire; 6a)
J. J. Oxley (West Ham, Essex)
W. Pethybridge (Metropolitan Police)
B. Polak (Bedford, Bedfordshire)
A. L. Pollard (Customs and Excise; 6a)
M. J. Ridgewell (Sutton and Cheam, Surrey; 5b)
C. S. Roberts (Crown Agents and Colonial Office)
R. E. Roe (Richmond and Twickenham; 6a)
W. D. Rotherham (Hampstead; 5b)
R. E. Rushbrook (Stock Exchange, Surrey, 5b)

P. B. Sarson (Air Ministry; 5b)
M. Sharples (Richmond and Twickenham)
P. M. Shaw (Clapham Common, Air Ministry; 5b)
R. T. Shaw (Barclays Bank, Surrey; 5a)
H. T. G. Smith (Wimbledon, Surrey; 5b)
D. G. Standen (St. Pancras; 6a)
C. J. Stapley (High Wycombe, Buckinghamshire)
G. Stevenson (Richmond and Twickenham, Surrey; 5b)
D. G. Summers (Slough Social Centre, Buckinghamshire)
Dr. J. B. Sykes (Atomic Energy Research Establishment)
E. A. Taylor (Walthamstow, Chingford and Leyton; 5b)
M. J. Taylor (Banstead, Surrey; 6a)
P. Thursfield (Sutton and Cheam, Surrey)
B. A. Tysoe (Cedars, Middlesex)
J. C. Waldron (Atomic Energy Research Establishment)
T. W. White (Guildford, Surrey)
K. B. Whittaker (Richmond and Twickenham)
T. Wicher (Streatham and Brixton, Surrey; 6a)
C. E. Williams (Wallington and Carshalton, Streatham and Brixton; 6a)
R. Williams (Air Ministry)
P. R. Wood (West London)
A. J. Wyeth (Headington, Oxfordshire)

M.C.C.U. (57)

Z. M. Bajda (Centre, Coventry)
J. D. L. Ball (Mutual, Birmingham)
F. E. Beadles (Nottingham Mechanics; 6a)
H. C. Bell (Malvern; 6b)
G. S. Briggs (Birmingham University)
G. Brown (Hearsall, Coventry)
F. Clough (Lozells, Birmingham; 5a)
E. R. Fisher (Centre, Coventry)
N. Foster (Solihull)
A. Freyer (Leicestershire; 6a)
J. Glynn (Coalville)
E. G. Harris (Leek; 6a)
J. J. Hayes (Birmingham; 5b)
R. Hazelwood (Standard, Coventry)
G. Heather (City of Birmingham; 6a)
A. K. Hobson (Chesterfield; 6a)
A. E. Holland (Hodge Hill; 5b)
R. J. Hooton (Chesterfield; 5b)
P. Hul (Ukrainians, Leicestershire)
H. Jones (Lye; 6a)
T. Kadikis (G.E.C., Coventry)

R. W. Kermeen (Nottingham University)
H. J. Lee (Derby; 6b)
L. Lewis (City of Birmingham; 6b)
L. Linacre (Nottingham Mechanics; 5b)
C. Linnell (Kynoch, Birmingham; 6a)
K. McLaughlin (Old Linwoodians, Leicestershire)
R. C. Mair (Wolverhampton)
H. J. Mander (G.E.C., Coventry)
W. O'Regan (Smethwick; 6a)
G. Parkes (Mutual, Birmingham; 6b)
W. E. Phipps (Mutual, Birmingham; 5b)
A. Pickering (West Bromwich)
J. Pollock (Morris, Coventry)
G. N. Reason (Standard, Coventry; 5b)
D. F. L. Richardson (Sutton Coldfield; 6a)
E. C. Robinson (Appleby-Frodingham; 6a)
J. K. Robinson (Leicestershire; 5b)
S. G. Rowe (Penkhull, Stoke; 6a)
K. Salmins (Stanton, Coventry)
O. Schalscha (Wllington; 6a)
W. Slowik (Derby; 6b)
M. E. Smith (Worcester City)
F. Stevens (Nuneaton)
F. L. Taylor (City of Birmingham)
G. Taylor (Leicestershire; 5b)
F. Tutchings (G.E.C., Coventry)
A. N. Walker (Nottingham High School)
B. S. Walker (Mutual, Birmingham; 6a)
J. Webb (Sutton Coldfield)
T. E. W. Widdows (Worcester City)
S. L. Wiggin (Smethwick; 5b)
S. H. Willetts (Stourbridge; 5b)
C. C. Williams (Lincoln City)
G. A. Winbow (Wolverhampton Kipping; 6b)
G. Wood (Centre, Coventry)
J. Woodcock (Stourport)

N.C.C.U. (30)

P. Allen (Sheffield)
A. Ansberg (Bradford)
L. Block (Wallasey)
A. J. Booth (Stockport)
E. Brown (Manchester; 6a)
C. J. Byrne (Liverpool; 6b)
J. Coleby (Chester)

J. S. Edwards (Chester)
D. Ellis (Leeds)
E. Foster (Oldham; 5b)
G. C. Franklin (Manchester; 6b)
E. Gooder (Wakefield; 6a)
C. R. Gurnhill (Sheffield; 5b)
A. Hinde (Chester)
J. R. Hoole (Manchester)
J. G. Hudson (Sheffield University)
K. A. Hume (East Cheshire; 6a)
M. Jackson (Doncaster; 6b)
F. Jaeck (Altrincham; 6a)
J. Johnson (Liverpool; 6a)
A. H. Kirkman (Liverpool; 6a)
C. V. Murray (Manchester)
H. J. Phillips (Stockport; 5b)
J. Rushton (Huddersfield; 6a)
E. Starkey (Hull; 6b)
L. Vallens (Sheffield; 6b)
S. J. Wallace (Sheffield University; 5a)
C. Waring (Oldham; 6a)
F. Whitham (Manchester; 5b)
D. H. Wilson (Manchester; 5b)

W.E.C.U. (15)

J. Date (Gloucestershire; 6a)
G. H. Davies (Somerset)
G. Dudden (Gloucestershire)
H. J. Draissey (Gloucestershire; 5b)
J. R. Fellingham (Devon; 6a)
R. W. Hornbrook (Devon; 6a)
E. W. Joce (Gloucestershire)
S. P. Lucas (Cornwall)
W. J. Matthews (Gloucestershire)
H. Owen (Somerset)
H. R. Pearce (Devon)
G. Walker (Devon; 6a)
A. White (Gloucestershire)
A. Wilkinson (Devon)
M. Wood (Gloucestershire)

Welsh C.U. (2)

C. M. Bloodworth (Pontypridd, Birmingham University)
T. Rickards (Cardiff University)

Grade 6b (193)

S.C.C.U./L.C.L. (87)

F. A. Argent (Cable & Wireless)
A. O. Attfield (Lewisham)
E. C. Baker (Clapham Common, G.P.O.)
L. G. Beaumont (Wimbledon)
A. F. Behmber (Harrow)
D. Besso (Willesden)
J. H. Billing (Great Yarmouth)
Rev. H. M. Blakett (Sussex; 6a)
D. G. Cannan (Bank Line, St. Pancras)
P. Cartmell (Fareham)
B. Casson (Wallington and Carshalton, Orpington)
D. Castello (Athenaeum)
E. W. Chandler (Bournemouth, Knights; 5b)
R. A. Clegg (Norwich)
Miss D. Colmer (Southgate)
A. Cunningham (London Central Y.M.C.A., Metropolitan Police)
B. F. Cutler (Battersea, Midland Bank)
H. S. Cutler (Greenford, Ministry of Pensions)
F. A. Davies (Ashtead; 6a)
I. G. J. Davis (Patent Office)
A. E. Dawes (Lloyds Bank)
D. A. Del Nevo (Cowley Community Centre)
H. E. Delf (Lloyds Bank)
J. M. Ellam (Kingston, Wimbledon)
E. G. Exell (Amersham)
A. J. Farrington (London and Lancashire)
R. S. Fennell (Lloyds Bank)
J. H. McK. Finch (Canterbury)
B. R. Flannery (Inland Revenue)
M. N. Forster (Athenaeum, Essex)
S. Forster (Islington)
D. Gilbert (Richmond Community Centre)
H. F. Gook (Croydon, Customs and Excise)
M. E. Grange (Ilford; 6a)
A. M. Grayston (Wimbledon)
H. Greif (Battersea)
R. Gronau (Hampstead, Willesden)
V. A. Hammond (Ealing; 6a)
J. A. L. Harris (Ealing, Ministry of Aviation)
G. W. Henlen (C.A.C.O., Ashtead; 6a)
J. Henlen (Ashtead, Clapham Common)

C. H. Henshaw (Andover, Basingstoke; 6a)
R. H. Hobden (C.A.C.O., Buckinghamshire)
A. Hocking (Southampton University)
H. G. V. Jones (Richmond and Twickenham)
R. E. Jones (Battersea)
S. Kaiser (Hampstead; 5b)
G. H. C. King (Hendon, Phoenix)
H. E. Lambert (Westminster Bank)
R. S. Learmouth (Woolston, Hampshire; 6a)
A. Lewis (Netherlands Bank)
L. Lindheimer (Richmond and Twickenham, Sussex; 6a)
B. G. Locke (Harrow, Middlesex)
R. J. Mark (Richmond and Twickenham, Lloyds Bank; 6a)
S. Markham (Finchley, Middlesex)
P. Marshall (Southampton, Hampshire)
G. W. Maskell (Savings Bank Division)
D. A. Miller (Hampstead, E.M.I.)
S. Morrison (Streatham and Brixton)
G. A. Musey (Admiralty)
E. F. Norris (West Ham, Hertfordshire)
F. Oppenheimer (Customs and Excise, Athenaeum)
R. L. Owen (Slough Social Centre, Buckinghamshire)
A. Portwine (Savings Bank Division)
C. S. Ramsey (Mitcham, Insurance)
I. Ramsey (Metropolitan Police)
R. Reid (Battersea)
T. A. A. Robertson (Ilford, Port of London Authority)
P. J. Sanders (Richmond and Twickenham)
E. O. Seymour (Gerrards Cross, Buckinghamshire)
L. Shenfield (Islington and North London)
D. A. Simmons (Bank of England)
L. Stephens (Athenaeum, Sussex; 6a)
E. Stevenson (Kingston and Thames Valley)
A. F. Stimson (Battersea)
R. Tailford (Surbiton)
B. C. Thomas (Savings Bank Division)
F. Vanderhook (Metropolitan Police)
C. H. Veale (Customs and Excise)
J. F. Watson (Athenaeum)
Dr. B. G. Wells (Portsmouth, Hampshire)
E. E. Weninger (Ealing)
P. J. Wheeler (Hampstead)
A. F. Williams (National Provincial Bank)
F. Wood (Bicester, Oxfordshire)
J. Woolf (Athenaeum, Middlesex)
B. C. Wyatt (Oxford City, Oxfordshire)

M.C.C.U. (63)

J. Alster (Wigston)
A. Archer (Victory, Stoke; 6b)
D. Backhouse (West Bromwich; 6b)
R. L. Baker (Buxton, M/cr. (Y.M.C.A.); 6b)
K. Bard (Solihull)
R. Benfield (West Bridgford)
G. W. Botteley (South Birmingham)
L. W. Bradbury (Kynoch, Birmingham)
L. H. Bristow (Scunthorpe; 6a)
H. S. Burdett (Stibbes, Leicestershire; 6a)
A. L. Callow (West Bromwich; 6a)
E. C. Cameron (Leicestershire)
T. E. L. Chataway (Stourbridge)
A. J. Coley (Erdington)
R. J. A. Cox (Shrewsbury; 6b)
B. S. Cumberlidge (Quinborne, Birmingham)
A. Dambroski (Stanton, Coventry)
M. J. Darlow (Birmingham; 6b)
R. W. Dennis (Coalville)
B. G. Drury (Lozells, Birmingham)
R. E. F. Duncanson (Wolverhampton Kipping)
Dr. T. Galla (Leek)
F. B. Gibbs (Walsall Kipping; 6a)
A. J. Gillam (Bemrose School, Derby)
R. E. Graf (Leicestershire; 6b)
J. H. Greenhalgh (Wolverhampton Kipping)
D. Greenwood (Boots; 6a)
C. Harp (MESC, Stoke; 6a)
J. R. Haydock (Solihull; 6b)
M. L. Hodgson (Leicester University)
F. J. W. Jakeman (Mutual, Birmingham)
H. Joiner (Standard, Coventry)
R. Keeley (Wolverhampton Kipping)
P. King (Sphinx, Coventry)
J. Kowal (Nottingham Ukrainians)
B. F. Lucas (Hearsall, Coventry)
E. G. Luck (Mutual, Birmingham; 6b)
K. M. F. Maeer (Sutton Coldfield)
F. Millerchip (Stanton, Coventry)
A. W. Mullard (Appleby-Frodingham; 6b)
F. Murfin (Derby)
J. Murgatroyd (G.E.C., Coventry)
J. Murray (Bell Green, Coventry; 6a)

C. C. Packwood (South Birmingham)
T. Palmer (Stibbes, Leicestershire; 6b)
P. B. Peart (Appleby-Frodingham; 6a)
G. A. Peck (Rugby; 6a)
H. B. Piggott (Standard, Coventry)
G. T. Pointon (Hodge Hill, Birmingham; 6b)
G. B. Powell (Lucas, Birmingham; 6b)
W. G. Powell (Wesleyan and General. Birmingham)
E. L. Rasmussen (Mutual, Birmingham; 6a)
A. Sadler (Wolverhampton Kipping; 6b)
A. Simm (G.E.C., Coventry)
H. Smith (Centre, Coventry)
S. Smith (Bablake, Coventry)
R. G. Thimann (Nottingham Mechanics)
W. G. Thom (Braunstone; 6b)
B. H. Turner (Austin, Birmingham)
R. Wankling (Daimler, Coventry)
S. Warner (Bablake, Coventry)
A. T. Watts (Leicester Y.M.C.A.; 6b)
R. Woodcock (Nuneaton)

N.C.C.U. (30)

W. Bainbridge (Oldham; 6b)
D. J. Barnett (Sheffield University)
G. Cohen (Leeds)
F. Cole (Droylsden)
E. S. Colley (Wakefield; 6a)
J. Djukanovich (Leeds; 6b)
W. W. Duszynski (Harrogate; 6b)
E. W. Fisher (Hull)
E. Frydman (Liverpool; 5b)
W. H. Hammett (Leeds; 6b)
J. E. Harrison (Huddersfield; 6b)
J. Hawkes (Leeds)
H. Holt (Manchester; 6b)
F. Hulley (Sheffield)
H. R. Jenkins (Manchester; 6b)
J. Lilley (Bradford)
A. Milner (Manchester; 6b)
A. C. P. Milnes (Bradford)
M. Morgan (Huddersfield; 6a)
J. E. Morton (Sheffield; 6b)
C. Perrins (Stockport)
J. H. Reynolds (Bradiord; 6a)
A. Schofield (Wakefield; 6b)

A. G. Summers (York)
E. L. Taylor (Sale; 6a)
J. W. Thornley (Manchester)
J. Tilney-Bassett (Sheffield)
D. Watmuff (Sheffield University)
A. Wittwer (Bradford; 6b)
G. C. Yarwood (Irlam)

W.E.C.U. (12)

B. Bussell (Somerset)
B. T. Crouter (Somerset)
Dr. A. F. Devonshire (Gloucestershire; 6a)
Dr. P. Gething (Gloucestershire)
C. J. Lasper (Somerset)
S. J. Leigh (Dorset; 6a)
D. March (Gloucestershire)
J. Meadows (Devon)
J. G. Milton (Gloucestershire; 6a)
V. Oliver (Somerset)
R. W. Thomas (Gloucestershire)
J. Whitaker (Gloucestershire)

Welsh C.U. (1)

J. R. Holland (Cwym; Birmingham University)

Note on the old BCF Grade Categories and modern equivalents:

1a = 241-248
1b = 233-240
2a = 225-232
2b = 217-224
3a = 209-216
3b = 201-208
4a = 193-200
4b = 185-192
5a = 177-184
5b = 169-176
6a = 161-168
6b = 153-160