

2nd District.

NEW SOUTH WALES.

- 2AJ—Short, W., Campbell-st., Kirribille
- 2AL—Cooper, A. E., Cecil-st., Ashfield
- 2AR—Hudson, W. H., 1 Terrace-rd., Dulwich Hill
- 2AT—Swinburne, F. C. R., 39 Parkview-rd., Manly
- 2AV—Thurston, A. W., Argyle-rd., Penshurst
- 2AY—Cureton, J., Burwood-rd., B'wood
- 2BB—Crocker, E. B., 38 Roseby-st., Marrickville
- 2BC—Hurl, N. J., "Strathcona," Northcote-av., Killara
- 2BF—Forsythe, L. E., "Haylake," Sailor Bay-rd., Northbridge
- 2BH—Broken Hill Technical College
- 2BJ—Binns, C., 27 English-st., Kogarah
- 2BK—Leverrier, F. H., "Lorette," Wentworth-rd., Vaucluse
- 2BN—Kimpton, F. W., Brunswick-st., Ballina
- 2BV—Waverley Amateur Radio Club
- 2BY—Arnold, E. C., Coolah Hotel, C'lah
- 2CN—Henry, C. J., Bridge-st., Uralla
- 2CJ—Sewell, P. L. H., 362 Victoria-st., Darlinghurst
- 3CL—Galetti, G., 252 Nelson-st., Annandale
- 2CM—Maclurcan, C. D., Agnes-st., Strathfield
- 2CR—Todd, L. V. G., Denison-st., W. Tamworth
- 2CS—Swain, L. T., 49 Everton-st., Hamilton
- 2CV—Campbell, D. D., Ulmarra
- 2CW—Beer, J., 21 Bland-st., Ashfield
- 2CX—Stowe, H., Royal-st., Chatswood
- 2CZ—Exton, G. W., 173 Molesworth-st., Lismore
- 2DE—Renshaw, W., Lord-st., Roseville
- 2DG—Campbell, D. G., Kyogle
- 2DH—Mawson, E., Wonga-st., Campsie
- 2DJ—Cooke, F., Naomi-rd., Northbridge
- 2DK—Whitburn, R. P., 7 Hathern-st., Leichhardt
- 2DN—Blanchard, G. E., 60 Bligh-st., Newtown
- 2DY—Lindsay, D. G., "Navatu," Burgoyne-st., Gordon
- 2EC—Crouch, E. C., 26 Spencer-rd., Mosman
- 2EH—Miller, H., Broadway," Mess-av., Dulwich Hill
- 2EM—Moore, E. J. T., "Newstead," Lr. Wycomb-rd., Neutral Bay
- 2FP—Baker, E., Estelle-st., Maryville
- 2GA—Wallace, Miss F. V., cr. Richard & George-sts., Greenwich Point
- 2GD—Concord Radio Club, Concord
- 2GM—Cutts, G. M., 25 Malvern-rd., Croydon
- 2GP—Marks, J. S., Ritz Flats, Salisbury rd., Rose Bay
- 2GQ—Barlow, E., 268 Beardy-st., A'dale
- 2GT—Thomson, G. L., 89 McPherson-st., Waverley
- 2GU—Dunn, R., "Ledhoma," Borradale-rd., Sth. Kensington
- 2GW—Woolnough, W. G., Florence-st., Killara
- 2HF—Thompson, F., 40 Short-st., Balmain
- 2HM—Marshall, H. A., Allingham-st., Armidale
- 2HS—Hooker & Sturman, 42 Jersey-rd., Woollahra
- 2HT—Thomas, H. K. R., "Radioma," 149 Wycombe-rd., Neutral Bay
- 2IJ—Gray, A., "The Maples," Killara
- 2IN—Payne, J., 53 Allison-rd., Randwick
- 2JK—Brown, J. H. S., "Shadwell," Chelmsford-av., Botany
- 2JL—Young, J. L., Box Vale, via Corowa
- 2JM—Warsoen, R. C., Victoria-rd., Bellevue Hill
- 2JR—Reed, J. G., 29 Kensington-rd., Summer Hill
- 2JT—Inckman, C. F. A., 50 Queen-st., Croydon
- 2JW—Williams, E. J., 51 Ocean-av., Double Bay
- 2KC—Fry, R., Brighton-st., Croydon
- 2LH—Leichhardt Radio Club, Annandale

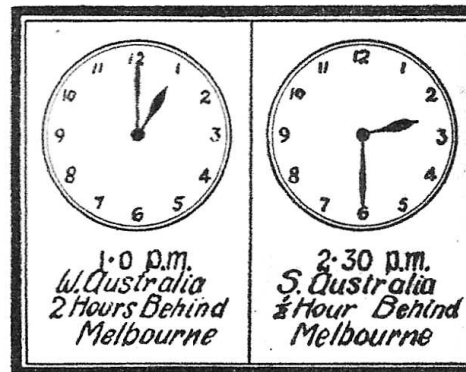
HOMECRAFTS [P. H. McElroy], 211 Swanston

THE AUSTRALIAN AMM

.....The same Firm can also supply you with

- 2LM—Wilson, L., Corran, via Marsden
- 2LO—Schultz, L. N., "Waraba," Burns Bay-rd., Lane Cove
- 2LP—Bean, L., 86 Mustan-st., Mosman
- 2LY—Shaw, R. H., 129 Grafton-st., Woollahra
- 2MR—Stewart, J. E., Corrick-st., Mayfield, Newcastle
- 2NS—Evans, T., Charles-st., Blayney
- 2OB—Mashman, L. W., 8 Donnan-st., Bealey
- 2PH—Hoare, P., Mann-st., Gosford
- 2RG—Reading, E. C., Charlotte-st., Bangalow
- 2RT—Turner, R. J., 250 Sloane-st., Goulburn
- 2SB—Sibly, A., 20 Carrabella-st., Kirribilli
- 2SO—Wireless Society of Newcastle
- 2SS—Wright, A. E., Main-rd., S'borough
- 2SX—Slade, C. W., Lang-st., Croydon
- 2TK—Thomas, R. V., 78 Malcolmn-st., Erskineville
- 2TM—Turner, H. E. A., "Carmen," 13 Erith-st., Mossman
- 2UI—Illawarra Radio Club, Kogarah
- 2UR—Creamer, A. A., 10 Hereford-st., Glebe Point
- 2UU—Roberts, R. G. C., "Redcliffe," Liverpool-st., Ashfield
- 2WE—Western Electric Co., Sydney
- 2WI—W.I.A., 5 Elizabeth-st., Sydney
- 2WK—Kennedy, W. D., 26 Lennox-st., Rockdale
- 2WL—Carter, W. L., 53 Cardigan-st., Stanmore
- 2WN—Lett, F. J., 176 Johnston-st., Annandale
- 2WS—Breden, W. S., Kitchener-par., 2WU—Morey, W. H., Rangers-av., Watersleigh
- 2WW—Wireless Weekly (A V. Watt), 15 Cairn-st., Suspension Bridge
- 2WZ—Bech, W., Booth-st., Annandale
- 2XA—James, H. K., 12 Rosemount-av., Summer Hill
- 2XI—Craig, W., Irrara-st., Croydon
- 2XX—Mingay, O. F., Karingai, Chase-rd., Turrarnurra
- 2YE—Croydon Radio Club (G. M. Cutts), Lang-st., Croydon
- 2YF—Clarke, F. P. R., "Winona," Lauderville-av., Manly
- 2YG—Allsop, R. C., 14 Byron-st., Coogee
- 2YH—Hannan, W. H., 23 Prince Alfred-st., Mosman
- 2YI—Nolan, P. Spencer, "Monesk," 152 Bellevue-rd., Double Bay
- 2YJ—Sainsbury, R. H., 6 Wallaroy-st., Concord W.
- 2YP—Bergin, M. W., "Keera," W. M'land
- 2ZB—Balmain Dist. Radio Club.
- 2ZC—Lavington, F., Gordon-rd., Mosman
- 2ZD—Brain, S. F., 85 Bland-st., A'field
- 2ZJ—Simpson, A. W., Duri
- 2ZK—Marsh, S., Carrington-st., West Wallsend
- 2ZL—Otty, W., Hirstvilla, Killingsworth
- 2ZN—Cottrell, J. W. M., 23 Dolphin-st., Randwick
- 2ZO—Willmott, T. R., Coramba-rd., South Grafton
- 2ZR—Perdrian, W. J. S., 47 East Esplanade, Manly
- 2ZU—Gilmour, N. S., 156 Kurrabe-rd., Neutral Bay
- 2ZW—Huggins, D. R., 13 Yea-st., Neutral Bay

- 3AJ—Salamy, E., Timor-st., Warr'bool
- 3AM—Dohrmann, G. S., 2 Hopetoun-av., Canterbury.
- 3AP—Morris, R. D., 61 Bealiba-rd., Caulfield.
- 3AU—Milligan, S. H., Hall-st., Eaglehawk
- 3AY—Jenny, W., Lord-st., Caulfield.
- 3BC—Brighton Radio Club, Brighton
- 3BD—Cox, E. H., 28 Clarence-st., E'wick
- 3EH—Whitelaw, C. R., Gillies-st., B'alla
- 3BL—Fitchett, J. C., 2 Salisbury-st., Dalwyn.
- 3BM—Love, H. K., Ferncroft-av., East Malvern.
- 3BP—Hood, J. H., 6 Alexander-st., St. K.
- 3BQ—Howden, W. F. M., 10 Hill-st., Box Hill.
- 3BS—Sunter, H. B., 6 Burnett-st., St. K.
- 3BU—Connelly, D. A., Balaclava-rd., East St. Kilda.
- 3BY—Holst, H., 27 Bamba-rd., C'field.
- 3CB—Sievers, W. F., 30 Lesney-st., E. Richmond.
- 3CC—University, Melbourne



- 3CJ—Jamieson, C. W., 21 Carlisle-av., East St. Kilda
- 3CP—Philpot, C. H., 206 Lava-st., Warrnambool.
- 3CR—Coburg Radio Club.
- 3DD—Osborne, L. F. G., Darling-rd., E. Malvern
- 3DP—Culliver, N., 91 Manningtree-rd., Hawthorn
- 3DV—Beattie, H. S., 1 Bishop-st., B. Hill
- 3EM—Doudney, H. W., 7 Dickens-st., Balaclava.
- 3EP—Givens, J., 19 Logan-st., Cant'bury
- 3FM—De Crespigny, R. C., 20 Black-st., Middle Brighton
- 3GB—Glover, M. A., 24 Victoria-rd., Camberwell
- 3GG—Gamon, G. A., 26 Phoenix-st., Sth. Yarra
- 3GI—Cresswell, F. G., 5 Loch-st., C'well
- 3GH—Hale, W. M., Harvey-st., Anglesea
- 3HH—Maughan, F. H., 15 Staniland-av., Malvern.
- 3HL—Hutchings, A. T., Callawadda
- 3JD—Dane, J. E., Toorak-rd., Hawthorn
- 3JH—Holland, F. H. J., "Cotswold," St. Kinnord-st. Essendon
- 3JK—Herd, J. K., Main-st., Bacc. Marsh
- 3JM—Bryson, R. W., 149 Eglinton-st., Kew
- 3JP—Michell, H. E. H., "Glenard," Kean-st., Caulfield
- 3JR—Dunstan, W. J., 7 Cameron-st., Ballarat East
- 3KG—Radio Engineering Co., Elwood
- 3KJ—Sawyer, W. E. C., 82 Gooch-st., Northcote

3rd District. VICTORIA.

- 3AB—Weatherston, W. S., 23 Melby-av., East St. Kilda.
- 3AD—Davey, J. A., 209 St. Kilda-st., Brighton.

Street, Melbourne, supplied this CALL LIST of

AMATEUR TRANSMITTERS

with Everything necessary for your Hobby.....

- 3KT—Secombe, L. M., 38 Motherwell-st., Hawksburn
- 3LM—Malvern District Radio Club
- 3LP—Paul, L. A., 137 St. George's-rd., North Fitzroy
- 3LR—Elsternwick Radio Club
- 3LW—Hiam, C., 222 Carlisle-st., St. K.
- 3MA—Amal. Wireless Ltd., Melbourne
- 3MB—Amal. Wireless Ltd., Kooweerup
- 3MC—Newman, S. N., 151 Mont Albert-rd., Canterbury
- 3MD—Amal. Wireless Ltd., Melbourne
- 3ME—Amal. Wireless Ltd., Melbourne
- 3MF—Amal. Wireless Ltd., Melbourne
- 3MI—Aisop, J. R., "Nirvana," 28 Molesworth-st., Kew
- 3MP—Hosken, S. V., Queen-st., S. Hills
- 3MS—Moore, L. J., "Avalon," Railway-gr., Seymour
- 3NN—Brown, H. R., Yanac
- 3OT—Cameron, R. M., "Manuka," 9 Coonil-cres., Malvern
- 3PJ—Smyth, V. L., 130 McIvor-st., Bendigo
- 3PR—Blackman, H. H., 44 Osborn-av., East Malvern

- 3ZJ—Lempriere, C. L., "Goora," Terrara-rd., Vermont
- 3ZK—Bradley, F. R., Beach-cres, S'ham
- 3ZN—Israel, Morris S., 13 Dandenong-rd., Malvern
- 3ZR—Snaith, L., 1 Byron-st., F'scray

4th District.

QUEENSLAND AND NEW GUINEA.

- 4AB—Barden, W. F., McIlwraith-st., Townsville
- 4AC—Waters, L., Rankin-st., Innisfail
- 4AE—W.I. of Aust., Brisbane
- 4AK—Wilner, J., Picot Estate, Kelvin-gr., Brisbane
- 4AN—Gibson, W. L., Kirkland-av., Greenslopes
- 4AZ—Sharpe, F. V., "Ashton Hall," Old Sandgate-rd., Woolloowin
- 4B1—Junction Park Radio Club (F. Rosensklar), Lang-st., Fairfield
- 4BN—Cooling, E. R., Donation-lane, Toowoomba
- 4CF—Fortescue, C., Arthur-st., Toowoomba
- 4CK—Norris, E. L., Hume-st., Toowoomba
- 4CP—Pinney, C. R., Konedobu, Port Moresby, Papua
- 4CS—Geraghty, J., Town Hall, Gympie
- 4CU—Walker, C., Devenport-st., Clifton
- 4CW—Buck, A. T., Geebung, N.C. Line
- 4DA—Eggleston, E., Grenier-st., Toowoomba
- 4DO—Hobley, H. L., 8 Lennox-st., Rockhampton
- 4EG—Gold, E. E., Lindsay-st., Toowoomba
- 4EI—State Engineer, G.P.O., Brisbane
- 4EZ—Queensland Inst. of Radio Engrs.
- 4FE—Y.M.C.A., Edward-st, Brisbane
- 4FI—Price, J C., Bardon Estate, Paddington Heights, Brisbane
- 4FK—Mathews, F. T., 57 Annie-st., New Farm
- 4GD—Chilton, G. F., Radio Stn., T'ville
- 4HB—Baker, H. E., Gowrie Station, Charlesville
- 4HW—Walsh, H. D., "Vallima," Dickson-ter., Hamilton
- 4KR—Richardson, J. K., Ascot Downs, Barcardine
- 4KY—Coffey, H., Oxford-st., Doomben
- 4LA—Atkins, L. M., Cleveland-ter., Townsville
- 4LC—Cusack, L. C., Radio Station, Konedobu, Pt. Moresby
- 4RB—Browne, R., Church-st., Toowong
- 4RQ—Radio Society of Qld., Brisbane
- 4WB—Bright, W. H. H., Hume-st., N. Toowoomba
- 4WN—Woolloowin Radio Club

5th District.

SOUTH AUSTRALIA.

- 5AC—Cook, V., John's-rd., Prospect
- 5AE—Honor, J. M., Alpha-st., P'pect
- 5AC—Bland, W. J., Bullu Tee, Alberton
- 5AH—Williamson, F. L., 25 Dequetteville-terrace, Kent Town
- 5AI—Lloyd, H. H., 15 Trinity-st., College Town
- 5AQ—Sacred Heart College, Glenelg
- 5AV—W.I.A., 20 Grange-rd., Hindmarsh
- 5BD—Earle, F., Bakewell-rd., St. Peters
- 5BF—Miller, F. G., Murray Bridge
- 5BG—Kaupre, H. A., 20 Gurney-rd., Dulwich
- 5BI—S.A. School of Mines, Adelaide
- 5BN—Austin, H. L., 8 Parade, N'wood
- 5BP—Caldwell, R. B., 53 Hughes-st., Unley
- 5BS—Bedford Park Sanatorium, Sturt
- 5BT—Kauper, Austin & Williamson, 20 Gurney-rd., Dulwich

- 5CK—Cusack, S. C., 54 Victoria-av., Dulwich
- 5CM—Sagar, E. N., Railway-ter., Largs Bay
- 5CS—Carter, C. S., 9 Frederick-st., Maylands
- 5DA—Buckerfield, S. R., 4 Regent-st., Parkside
- 5DP—Brock, H. E. E., 16 Pennington-ter., North Adelaide
- 5FT—Fitzmaurice, J. S., St. Andrew's-st., North Walkerville
- 5HR—Rhodes, H., 12 Goyder-st., Kadina
- 5JC—Chesterfield, J. H., 45 Goodwood-rd., Wayville
- 5KW—Wadham, K., 2 Elizabeth-st., Parkside
- 5QN—Quorn Radio Society, Quorn
- 5RB—Bedford, R., Kyancutta
- 5RG—Gurner, R. C., 21 Victoria-ter., New Parkside
- 5RM—Barker, R. M., 49 Newbon-st., Prospect
- 5SF—Ackland, S. F., 74 John's-rd., Prospect
- 5WA—Adamson, W. K., 25 Olive-st., Parkside

6th District.


WESTERN AUSTRALIA.

- 6AB—Cecil, C., 53 MacDonald-st., Kalgoorlie
- 6AC—Spark, J., Greenham-st., Perth
- 6AG—Coxon, W. E., 5th Avenue, Inglewood
- 6AI—Shaw, S. A., 14 Station-st., East Guildford
- 6AK—University of W.A., Perth
- 6AM—Kennedy, P., 210 Walcott-st., Mt. Lawley
- 6BB—Park, J. C. W., 29 Suburban-rd., Mill Point, South Perth
- 6BG—Hayman, W. G., 5 Melville-st., Claremont
- 6BH—Burrows, F. H., 26 George-st., Kalgoorlie
- 6BN—Stevens, A. E., 1 Ruth-st., Perth
- 6BO—Grey, A. E., Archdeacon-st., Medland E.
- 6BR—W.I.A. (W.A. Div.), Perth
- 6BW—McLauchlan, C. D., 14 Clydesdale-st., Victoria Park
- 6CJ—Darley, E., Darby-st., S. Perth
- 6DA—Saw, F. W., cr. Bedfordsdale and Bunbury-rds., Armadale
- 6DZ—Burrows, E. W., Station House, Eleanor-st., Geraldton
- 6MU—Urquhart, M. S., Hawkestone-st., Cottesloe
- 6RW—Coxon, R. W., Chidlow-st., Northam
- 6VK—Vincent, J., 124 Varden-st., Kalgoorlie
- 6WP—Phipps, W. R., 97 Rupert-st., Subiaco

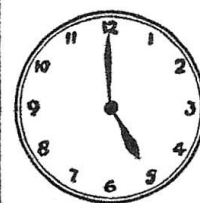
7th District.

TASMANIA.

- 7AB—Smith, A. C., "Beulah," 21 High-st., Launceston
- 7AC—Milne, J. C., "Askrigg," Gretna
- 7AH—Medhurst, F. W., Beach-rd., Lr. Sandy Bay
- 7AQ—MacCabe, W. B., "Kismet," Clarence Pt., West Tamar
- 7AR—Johnson, C. F., 33 Hill-st., West Hobart
- 7BH—Sheldrick, E. C., Richards-av., Launceston
- 7BK—Preston, T. A. C., King-st., Q'town
- 7BQ—Crooks, J. A. L., 34 Frederick-st., Launceston
- 7CS—Scott, A. C., 14 Law-st., Launceston
- 7GD—Douglas, G. A., Lochleven, Gormanston
- 7JB—Brooks, J. V., 20 Adelaide-st., Hobart
- 7IJ—Jensen, L. R., S.S., Trowutta
- 7OM—O'May, R. D., "Elonera," Esplanade, Bellerville
- 7PF—Fish, P O., 46 Mary-st., L'ceston
- 7RB—Buring, R., 19 Anglesea-st., Sth. Hobart



3:00 P.M.
Vic. N.S.W.
& Qld.
Melbourne Time



5:00 P.M.
N. Zealand
2 Hours Ahead
Melbourne

- 3QW—Muir, J. A., 10 Young-st., B'ton
- 3RS—Shortell, R. C., 421 Inkerman-st., St. Kilda
- 3RY—Wilson, W. A. G., 18 Seymour-cres., Ballarat East
- 3SA—Simpson, L. R., "Montana," Queen st., Ararat
- 3SL—Southwell, L. W., c/o Mrs. Neal, High-st., Seymour
- 3SM—Gay, A. H., Victoria-st., Warragul
- 3TK—Kinseila, T. W., Mayo Park, Lubeck
- 3SW—Gadsen, S. W., 5 Miller-gr., Kew
- 3TU—Leckie, R. G., "Clifstone," Bamfield-st., Sandringham
- 3UI—Dalton, R. M., 27 Orange-gr., B'cva
- 3UX—Steane, G. W., "Pymble" Earle-st., Mont Albert
- 3VR—Abbott, R. Elmo-av., Alphington
- 3WS—Sweeney, W. M., 10 Foam-st., Elwood
- 3W—Tressidder, W. L., 13 Nettle-st., Bendigo
- 3XC—Xavier College, Kew
- 3XF—Chaffer, M., 41 Norwood-cres., Moonee Ponds
- 3XO—Adams, F., Moule-av., M. Brighton
- 3XU—Canterbury Radio Club, Box Hill
- 3YD—Donne, C. W., "Ovalau," 3 Hughenden-rd., E. St. Kilda
- 3YN—Harkin, D. J., 37 Carlisle-st., P'ton
- 3YX—Hardie, B., Missouri-av., Gard'vale
- 3YY—Bush, A. M., 54 Brougham-st., Bendigo
- 3YZ—McKeown, A., 54 Yarra-st., Alphn
- 3ZE—McGregor, K. W., 23 Lambert-rd., Toorak
- 3ZI—Barbour, K. H., 1 Irving-av., A'dale



BROADCASTING

Australian Stations and their Times of Transmission



Call Letters.	Location.	Power. Watts.	Class.	Wave Length. Metres.	Transmissions.	Aerial Condenser	Primary Coil	Secd'y or Anode Coil	Reaction Coil
2BL	Sydney	1500	A	354	7.0 to 9.0 a.m. 10.30 a.m. to 2.0 p.m. 3.0 p.m. to 5.0 p.m. 5.30, Bedtime Stories. 7.45 to 10.0 p.m.	Series	50 to 75	75	35 to 50
2FC	Sydney	5000	A	1100	10.45 to 11.15 a.m. 12.55, Time Signals 3.0 to 4.30 p.m. 6.30 to 7.20 p.m. 8.0 to 10.0 p.m. Sunday, 7.30 to 9.30 p.m.	Series Parallel	200 100	250 250	50 to 150 50 to 150
2BE	Sydney	100	B	326	7 to 10, Mon. to Sat.	Series	50 to 75	75	35 to 50
2HD	Newcastle	100	B	269	Provisional Licence.	"	50	50	35
2UE	Randwick	250	B	297	Tues., Thurs., Sun., 8.0 to 10.30.	"	50	50	35
3AR	Melbourne	1500	A	484	9.0, News Service 11.30 a.m. to 1 p.m. 3.30 to 5 p.m. 7.0, Bedtime Stories 8.0 to 10.0 p.m. Sun., 11.0 a.m. & 7.0 p.m.	Series Parallel	75 50	100 100	50 50
3LO	Melbourne	5000	A	371	11.0 a.m. to 2.0 p.m. 3.0 to 5.0 p.m. 6.0 to 7.0 p.m. 8.0 to 10.0 p.m. Sun., 3.0 - 6.0 - 7.0 p.m.	Parallel Series	35 75	75 75	35 to 50 35 to 50
3FB	Melbourne	1000	B	370	12.0 to 2.0 p.m. 3.0 to 5.0 p.m. 7.0 to 11.0 p.m.	Series	75	75	35 to 50
3UZ	Melbourne	200	B	319	Monday and Wednesday Evenings.	"	75	75	35 to 50
3WR	Wangaratta	—	B	300	Evening Concerts	"	50 to 75	75	35 to 50
4QG	Brisbane	5000	A	380	Under Construction	"	75	75	35 to 50
5CL	Adelaide	—	A	395	11.0 a.m. to 3.0 p.m. 7.0, Bedtime Stories 8.0 to 10.0 p.m.	"	50 to 75	75	35 to 50
5DN	Adelaide	500	B	313	Tues., Thurs., Sat., Provi- sional	"	50 to 75	75	35 to 50
6WF	Perth	5000	A	1250	12.30 to 1.30 p.m. 3.30 to 4.0 p.m. 7.0, Bedtime Stories 8.0 to 10.0 p.m.	" Parallel	250 150	250 250	150 150
7ZL	Hobart	5000	A	390	11.0 a.m. to 12.0 noon 3.0 to 4.0 p.m. 7.0, Bedtime Stories 8.0 to 10.0 p.m.	Series	75	75	35 to 50

NOTE.—Adelaide time is 30 minutes behind Melbourne time.
Perth " 2 hours " " "