

Regular Features

Advertisers' Index	64
ALARA	54
AMSAT Australia	48
AR Showcase	
- Active Antenna Matcher for SWLs	58
- Frequency Measurement	
- IPS Training Courses	58
- Tega Electronics	58
Awards	
- Australian Awards Update	44
- Bulgarian Awards Program	44
- Bulgarian Awarus Flogram	44
- Hungarian Awards Program	45
- Marion's Centenary Celebrations Award	44
- Rally Australia Award	45
- Paddle Steamer Industry Jubilee 150 Awa	ard
	44
- Victory 40 Award - Recipients	44
- Victory 40 Award - Recipients	44
 Wombat Award YL International SSBers, Inc 	44
- YL International SSBers, Inc	44
Club Corner	56
Contests	
- ALARA Contest - Rules	30
- California QSO Party - Rules	
- HF Contest Championship Winners	38
- LZ DX Contest - Rules	39
- Scandinavian Activity Contest - Rules	39
Editor's Comment — A Feature Begins,	An-
other Returns	3
Education Notes	52
Education Notes	52
Education Notes	52 53
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave	52 53 59
Education Notes	52 53 59
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX	52 53 59 64 41
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX	52 53 59 64 41
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring	52 53 59 64 41 the
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service	52 53 59 64 41 the 8
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch	52 53 59 64 41 the 8 46
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around	52 53 59 64 41 the 8 46 55
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Manazine Review	52 53 59 64 41 the 8 46 55 54
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receive	52 53 59 64 41 the 8 55 54 (ers
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receive	52 53 59 64 41 the 8 55 54 (ers
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receive	52 53 59 64 41 the 8 55 54 (ers
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receive	52 53 59 64 41 the 8 55 54 (ers
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receive	52 53 59 64 41 the 8 55 54 (ers
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — here to you! — members have their say	52 53 59 64 41 the 46 55 54 97 97 97 97 97 97 97 97 97 97 97 97 97
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — bituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say Pounding Brass	52 53 59 64 41 the 55 54 9 62 60 57
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — bituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say Pounding Brass	52 53 59 64 41 the 55 54 9 62 60 57
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — bituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say Pounding Brass	52 53 59 64 41 the 55 54 9 62 60 57
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — here to stay — bituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say Pounding Brass QSP 8, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63	52 53 59 64 41 the 46 55 54 (ers 34 (yril 62 60 57 59,
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — here to stay — bituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say Pounding Brass QSP 8, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63	52 53 59 64 41 the 46 55 54 (ers 34 (yril 62 60 57 59,
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — here to stay — bituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say Pounding Brass QSP 8, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63 Silent Keys — VK5NPC, VK2CMB, VK2DL	52 53 59 64 41 the 55 54 vers 34 Cyrill 62 57 59, 1L &
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — beituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say — Pounding Brass 0, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63 Silent Keys — VK5NPC, VK2CMB, VK2DL VK4IS	52 53 59 64 41 the 55 54 (ers 34 (yrill 62 57 59, 59, 11 & & 20 57
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — here to stay — bolituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say — Pounding Brass QSP &, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63 Silent Keys — VK5NPC, VK2CMB, VK2DL VK4IS Solar Geophysical Summary	52 53 59 64 41 the 55 54 (ers 34 55, 62 59, 11 & 62 59, 11 & 62 63
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — here to stay — obituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say — Pounding Brass QSP 8, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63 Silent Keys — VK5NPC, VK2CMB, VK2DL VK4IS Solar Geophysical Summary Spotlight on SWLing	52 53 59 64 41 the 55 54 62 57 59, 62 63 52
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — Obituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say — Pounding Brass QSP 8, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63 Silent Keys — VK5NPC, VK2CMB, VK2DL VK4IS Solar Geophysical Summary Spotlight on SWLing Technical Mailbox	52 53 59 64 41 the 55 54 (ers 34 62 60 57 59, 1L & 62 60 57 59, 1L & 62 60 57 59, 51 59, 52 51 52 51 52 51 54 55 54 55 54 55 54 55 54 55 54 55 55
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — here to stay — Obituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say — Pounding Brass QSP 8, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63 Silent Keys — VK5NPC, VK2CMB, VK2DL VK4IS Solar Geophysical Summary Spotlight on SWLing Technical Mailbox VHF UHF — an expanding world	52 53 59 64 41 the 55 46 55 57 59, 62 62 57 59, 1L & 62 52 51 36
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — Obituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say — Pounding Brass QSP 8, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63 Silent Keys — VK5NPC, VK2CMB, VK2DL VK4IS Solar Geophysical Summary Spotlight on SWLing Technical Mailbox	52 53 59 64 41 the 55 46 55 57 59, 62 62 57 59, 1L & 62 52 51 36
Education Notes Electro-Magnetic Compatibility Report Five-Eighth Wave Hamads How's DX International News — Restructuring Canadian Amateur Service Intruder Watch Listening Around Magazine Review Novice Notes — Direct Conversion Receiv — here to stay — here to stay — Obituaries — Jim Boissett, Peter Barlow, C Renton & Don Wilson Over to you! — members have their say — Pounding Brass QSP 8, 12, 15, 24, 29, 32, 35, 43, 51, 55, 57, 58, 61, 62, 63 Silent Keys — VK5NPC, VK2CMB, VK2DL VK4IS Solar Geophysical Summary Spotlight on SWLing Technical Mailbox VHF UHF — an expanding world	52 53 59 64 41 the 55 46 57 59, 62 60 57 59, 1L & 62 52 59, 62 57 59, 1L & 62 52 51 59, 62 57 59, 62 57 59, 62 57 59, 64 57 57 57 57 57 57 57 57 57 57 57 57 57

Each year, the WIA Publications Committee selects several awards, one of these awards being the AI Shawsmith Journalistic Award. As the name suggests, this award if presented for the best



Any opinion expressed under this heading is the individual opinion of the writer and does not necessarily coincide with that of the publisher.

article published in Amateur Radio from a journalistic point of view. There have been some doubts expressed recently whether the award is well enough known, and as a result, the Editor, in collaboration with Alan VK4SS, has written a brief history (see page 5), of the award and how you, the readers of AR, may make yourself eligible to join the dignified list of recipients.

Amateur Radio is always in need of a steady supply of articles for publication, whether they be short technical tips or long technical articles; even interesting anecdotes. Whilst articles on advanced and new techniques are needed, it must not be forgotten that new amateurs and novices are always interested in good basic items which the "seasoned amateur" may class as too basic for AR. So, write-up that project that has worked for you, as Amateur Radio has an enormous appetite for a well-balanced and varied diet.

Preparing an article for Amateur Radio is very simple. Just commit your thoughts to paper as you would when explaining to a friend over the air. Manuscripts may be clearly hand-written or typed original copies (no photocopies please, as frequently the photocopier prints a blank in a crucial portion of a technical explanation or formula). Include circuit diagrams if applicable - they do not have to be ready for publication (clear sketches are adequate), as AR's draughts-people will redraw them. Don't overlook a photograph too, but be careful when writing captions on the back many good photos have been damaged by heavy ball-point pen marks coming through or felt-tip pens smudging from the back of one photo to the front of another.

The Technical Editors are pleased to introduce a new regular column, titled *Technical Mailbox*. The column will endeavour to answer readers queries relating to amateur radio, and the first set of replies may be found on page 51. All readers are welcome to make use of this column.

Gil VK3CGG, has written an interesting article on electronic keyers in very basic, layman's terms, see page 40. Gil is a relative newcomer to CW and his enthusiasm for the mode is contagious.

Drew VK3XU, says Direct Conversion Receivers are here to stay and gives an insight into the principles of operation of such receivers on page 34. Next month, Drew will include full diagrams and instructions for constructors to make their own DC receiver for 80 metres.

DEADLINE

All copy for inclusion in the November 1986 issue of Amateur Radio, including regular columns and Hamads, must arrive at PO Box 300, Caulfield South, Vic. 3162, at the latest, by 9am, 22nd September 1986.