

#### **EDITOR**

Len Shaw, VK3ALS shawlen@werple.mira.net.au Telephone/Fax - (03) 9775 2575 PO Box 622. Mount Eliza 3930

#### ACP SYME MAGAZINES P/L

General Manager
Gregg Haythorpe
Associate Publisher —
Sales & Marketing
Max Hyde
OFFICE
73 Atherton Road, Oakleigh, Vic.

POSTAL PO Box 119, Oakleigh, Vic 3166

TELEPHONE (03) 9567 4200

#### **DISPLAY ADVERTISING**

National Manager: Kate Shaw Telephone/Fax: (03) 9752 6186 or 019 14 7522 PO Box 698, Belgrave, Vic 3160

#### PRODUCTION EDITOR

Chris Edmondson, VK3CE/VK3YID Telephone/Fax: (03) 9722 9666 or (041) 235 3599 Box 1 Yarra Road, Wonga Park 3115

#### **CONTRIBUTING EDITORS**

INTERNET: David Flynn dflynn@msn.com

PACKET RADIO: John Day, VK3ZJF dayj@ozemail.com.au / vk3zjf@vk3blw

SCANNING: Russell Bryant PO Box 344, Springwood, NSW 2777

AMATEUR DX: Jim Smith, VK9NS PO Box 90, Norfolk Island, Sth Pacific 2899

> 11M DX: Jack Haden PO Box 299, Ryde, NSW 2112

SHORTWAVE: Craig Seager cseager@ozemail.com.au

ONLINE: Patrick McDonald patrick@jolt.mpx.com.au

AIR BAND: Bob Bell PO Box 16, Georges Hall, NSW 2198

MODIFICATIONS: Greg Towells PO Box 577, St Marys, NSW 2760

WEATHER SATELLITES: Arthur Andrews VK2AAE, Araluen Road, Wollar, NSW 2850

AMATEUR VHF/UHF: Chris Davis, VK1DO 123 Hawkesbury Court, Farrer, ACT 2607

Paul Butler, VK3DBP Neil Duncan, VK3ND Steve Gregory, VK3OT Steve Ireland, VK6VZ/G3ZZD Ken Reynolds, VK7ZKR/3

### REVIEW: ICOM'S NEW IC-775DSP HF RECEIVER

Neil Duncan, VK3ND, drools over Icom's latest HF marvel.



**REVIEW:** Emtronics EPS-20 switch mode power supply.

# HOBBY RADIO AND THE INTERNET

Long-time Internet user David Flynn provides an introduction to this important communication medium.

REVIEW: TANDY'S PRO-2035 SCANNER

Tandy's PRO 2035 has a great deal to offer at a realistic price.



RF, SENSOR LIGHTS & GARAGE DOORS...

Neil Duncan amuses himself with some off-beat uses for stray RF.

4 BUSHCOMM ANTENNA
Low cost HF antenna has plenty
of potential.

27 ANTENNAS
Steve Ireland explains the ins and outs of multi-band antennas.

2 COMPETITION no.1 WIN AN ICOM IC-Z1A

Hey! You could win this great rig!

## IT'S ALL IN THIS ISSUE

fax/modem - an Internet essential.

REVIEW: DYNALINK
1414VQE MODEM
A fast 14.400 baud 'phone

REVIEW: HI-Q HF LOOP
Check out this povel HE antenna

13 NEW AMATEUR REGS ARE FINALLY LAW!

We detail the super changes...

MODIFICATIONS
This great new column helps you get the most from your rig...

REVIEW: 2M OZTENNA
This new 2M antenna is built to
withstand a cyclone – and more!

SPEECH PROCESSING What's speech processing all

What's speech processing all about? We explain how it works.

FEVIEW: GFS SP500
You may love or hate the 'roger beep', but the new GFS speech processor delivers the goods!

VSWR: BLACK SCIENCE? Is VSWR really all that important?

74 THE NUMBERS GAME
Mike Chace provides an
explanation to those mysterious
'numbers' stations — CIA,
Mossad. MI6 or what?

THE B2 'SPAM' RIG Jim Smith reaquaints himself with an old wartime friend.



Here's another chance to win...

## ...and of course all our usual feature columns

5	Editorial	76	Shortwave Listening
18	Weather Satellites	82	Here and There
33	NEW: Air Band Information	84	11m DX International
37	Packet Racket	86	IPS Propagation Charts
38	Online Communication Software	89	DX Update
44	Modifications worth knowing	90	ACBRO News and Clubs
63	Hot Scan Frequencies	91	Classified form and rules
67	Gone Troppo	92	Classified Adverts
70	DX Band and IOTA	96	CB Repeater List