



Amateur Radio

The Journal of the Wireless Institute of Australia

Volume 82
Number 6
June 2014
ISSN 0002-6859

Editorial

Editor

Peter Freeman VK3PF
editor@wia.org.au

Technical Editor

Peter Gibson VK3AZL

Publications committee

Peter Hartfield VK3PH
Evan Jarman VK3ANI
Bill Roper VK3BR
Ewen Templeton VK3OW
Ernie Walls VK3FM

All circulation matters

nationaloffice@wia.org.au

How to submit material

Secretary

AR Publications Committee
PO Box 2042
BAYSWATER VIC 3153
or armag@wia.org.au

Letters to Editor

Editor AR Magazine
PO Box 273
Churchill Vic 3842
or editor@wia.org.au

Hamads

'Hamads'
PO Box 2042
BAYSWATER VIC 3153
hamads@wia.org.au

Advertising

All enquiries to
Advertising Manager
AR Publications Committee
PO Box 2042
BAYSWATER VIC 3153
or admanager@wia.org.au

Registered Office

Unit 20 11-13 Havelock Road
BAYSWATER VIC 3153
Australia
Phone: 03 9729 0400
Fax: 03 9729 7325

Production Deadlines

All articles, columns, hamads and
advertising booking by **first day of
previous month.**

The contents of Amateur Radio are Copyright
Wireless Institute of Australia © 2014

General

Remote radio at FAMPARC 6
Peter Collins VK3IJ

Portable activations to chase 8
KRMNPA plaques
Jim Linton VK3PC

An early snapshot of the 2014 10
WIA Member Survey
Christopher Platt VK5CP

The basis of distance-based scoring 11
for the VHF-UHF Field Days
Roger Harrison VK2ZRH

A Call for Information and Articles 26
Phil Wait VK2ASD

D-STAR on the HF bands 27
Ted Thrift VK2ARA

Team VK3JNH and the JMMFD 2014 32
Stephen Warrillow VK3SN



Contributions to Amateur Radio



Amateur Radio is a forum for
WIA members' amateur radio
experiments, experiences,
opinions and news. Manuscripts
with drawings and/or photos are
welcome and will be considered
for publication. Articles attached to
email are especially welcome. The

WIA cannot be responsible for loss or damage to any material.
Information on house style is available from the Editor.

Technical

A 70 cm dipole array for repeater use 14
Ian Jackson VK3BUF

A practical introduction to phasing 18
direct conversion SSB receivers
Peter Parker VK3YE

A 16 bit two channel USB soundcard 28
using the PCM290x codec
Erich Heinzle VK5HSE

Columns

ALARA	44
Contests	56, 57
DX - News & Views	36
Editorial	2, 5
Hamads	62
Over to You	13, 61
SOTA News	38, 39
Spotlight On SWLing	35
VHF/UHF - An Expanding World	40
WIA Comment	3, 5
WIA News	4, 5
VK2 News	47
VK3 News	43, 48, 49
VK4 News	53
VK5 News	46
VK7 News	51

This month's cover

The VK3JNH team operated from high on the
Bogong High Plains for the John Moyle Field Day,
experiencing some superb sunsets and sunrises,
plus some truly horrible weather which forced them
to retreat to lower altitude for Saturday night. Our
cover shows an overview of the station. See the
story on page 32. Photo by David Warrillow.

Back Issues

Back issues are available directly from the WIA National Office
(until stocks are exhausted), at \$8.00 each (including postage
within Australia) to members.

Photostat copies

If back issues are unavailable, photocopies of articles are
available to members at \$2.50 each (plus an additional \$2 for
each additional issue in which the article appears).

Disclaimer

The opinions expressed in this publication do not necessarily
reflect the official view of the WIA and the WIA cannot be held
responsible for incorrect information published.