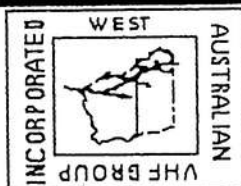


OFFICIAL NEWSLETTER FOR THE WEST AUSTRALIAN VHF GROUP (INC)
P.O. BOX 189, APPLECROSS WA 6153.

MEETINGS ON THE FOURTH MONDAY OF EACH MONTH AT WIRELESS HILL
TELECOMMUNICATIONS MUSEUM, ALMONDBURY RD, ARDROSS

VK6WH



VK6WH

PATRON MR. F.V. DAYSON

PRESIDENT	BOB BLINCO	VK6KRC	H 277 7049	SECRETARY	BOB PINE	VK6ZFY	H 339 3273
VICE PRES.	PETER TAIT	VK6ZPT		TREASURER	BERT MEUWISSEN	VK6ME	H 457 3892
COUNCILLOR	TERRY LEITCH	VK6ZLT	H 332 7008	BULLETIN ED.	COLIN MURRAY	VK6ZCR	H 331 1398
COUNCILLOR	PETER MARTIN	VK6JAE		MUSEUM REP	BOB PINE	VK6ZFY	
COUNCILLOR	COLIN MURRAY	VK6ZCR		MUSEUM REP.	TOM BERG	VK6ZAF	
ACTIVITIES	TERRY LEITCH	VK6ZLT		PUBLICITY	PETER MARTIN	VK6JAE	
MATERIALS	COLIN MURRAY	VK6ZCR		LIBRARIAN	ILMAR BELTS	VK6AIB	

CALENDAR

MARCH	18 COMMITTEE MEETING	MAY	20 COMMITTEE MEETING
	23 FOX HUNT		25 FOX HUNT
	25 GENERAL MEETING		27 GENERAL MEETING
APRIL	15 COMMITTEE MEETING	JUNE	17 COMMITTEE MEETING
	20 FOX HUNT		22 FOX HUNT
	22 GENERAL MEETING		24 GENERAL MEETING

MAY 91

WE HAVE PLANNED A JUNKSALE FOR THE MAY MEETING WHICH WILL

BE HELD ON MONDAY THE 27th OF MAY AT WIRELESS HILL.

EVERYBODY WELCOME MEMBERS AND VISITORS!

BRING YOU JUNK AND MAKE THIS NIGHT A SUCCESS.

The bulletin is this month a combined effort from your committee as Collin was unable to produce the magazine in time due to work commitments.

Because of the immense input of articles we decided to have one page filled with technical specifications suitable for the ham shack.

This month you will find a full sheet of information about ~~Amidon ferrite cores~~ and in the following bulletins. We hope to bring you information about the Japanese TOKO coilformers and cores. This way you will be able to translate the different coilwinding details used in the ARRL handbook with the coilformers you will find on circuitboards of any imported radio

We also hope to publish the technical data from Murata about ceramic filters.

If any of our members like to see other information printed why not drop Collin a line because he is still the editor in charge.

You also find enclosed some pricelists from our sister organisation in VK5. They market some excellent kits and the prices compare very favourable with what is available overseas; and at the meeting you can examine some samples. Quite a few people here in Perth have bought them already and the group is willing to take your orders for the same price as listed so you will save the extra expenses of ordering packing and postage.

12033 OTSEGO STREET, NORTH HOLLYWOOD, CALIF. 91607

PHYSICAL DIMENSIONS

Core Size	Outer Diam. (in.)	Inner Diam. (in.)	Height (in.)	Cross Sect. (cm ²)	Mean Length (cm)	Core Size	Outer Diam. (in.)	Inner Diam. (in.)	Height (in.)	Cross Sect. (cm ²)	Mean Length (cm)
T-400A	4.000	2.250	1.300	7.432	24.93	T-94	.942	.560	.312	.385	6.00
T-400	4.000	2.250	.650	3.66	24.93	T-80	.795	.495	.250	.242	5.15
T-300	3.048	1.925	.500	1.81	19.83	T-68	.690	.370	.190	.196	4.24
T-225A	2.250	1.405	1.000	2.73	14.59	T-50	.500	.303	.190	.121	3.20
T-225	2.250	1.405	.550	1.50	14.59	T-44	.440	.229	.159	.107	2.67
T-200A	2.000	1.250	1.000	2.42	12.97	T-37	.375	.205	.128	.070	2.32
T-200	2.000	1.250	.550	1.33	12.97	T-30	.307	.151	.128	.065	1.83
T-184	1.840	.950	.710	2.04	11.12	T-25	.255	.120	.096	.042	1.50
T-157	1.570	.950	.570	1.14	10.05	T-20	.200	.088	.070	.025	1.15
T-130	1.300	.780	.437	0.73	8.29	T-16	.160	.078	.060	.016	0.95
T-106	1.060	.570	.437	0.69	6.50	T-12	.125	.062	.050	.010	0.75

FERRITE TOROIDAL CORES

PHYSICAL DIMENSIONS

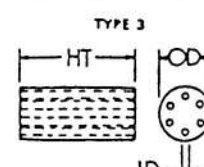
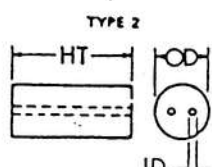
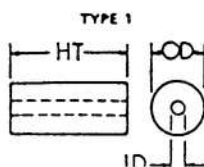
Core Size	Outer Diam. (in.)	Inner Diam. (in.)	Height (in.)	Cross Sect. (cm ²)	Mean Length (cm)	Volume (cm ³)
FT-23 --	.230	.120	.060	.021	1.34	.029
FT-37 --	.375	.187	.125	.076	2.15	.163
FT-50 --	.500	.281	.188	.133	3.02	.401
FT-50A --	.500	.312	.250	.152	3.18	.483
FT-50B --	.500	.312	.500	.303	3.18	.964
FT-82 --	.825	.520	.250	.246	5.26	1.29
FT-87A --	.870	.540	.500	.522	5.42	2.83
FT-114 --	1.142	.750	.295	.375	7.42	2.79
FT-114A --	1.142	.750	.545	.690	7.42	5.13
FT-150 --	1.500	.750	.250	.581	8.30	4.82
FT-150A --	1.500	.750	.500	1.110	8.30	9.21
FT-193 --	1.930	1.250	.625	1.190	12.30	18.00
FT-240 --	2.400	1.400	.500	1.570	14.40	22.70

FERRITE BEADS

Part number	Bead Type	Dimensions (inches)			A _L Values (nanohenries/turn ²)					Impedance Factor *
		OD	ID	HT	43	64	73	75-B	77	
FB -- -- 101	1	.138	.051	.118	510	150	1500	3000	---	1.0
FB -- -- 201	1	.076	.043	.150	360	110	1100	---	---	0.7
FB -- -- 801	1	.296	.094	.297	1300	390	3900	---	---	2.2
FB -- -- 901	2	.250	.050	.417	---	1130	---	---	---	7.0
FB -- -- 1801	1	.200	.062	.437	2000	---	5900	---	---	4.0
FB -- -- 2401	1	.380	.197	.190	520	---	1530	---	---	1.1
FB -- -- 5111	3	.236	.032	.394	3540	1010	---	---	---	6.7
FB -- -- 5621	1	.562	.250	1.125	3800	---	---	---	---	7.0
FB -- -- 6301	1	.375	.194	.410	1100	---	---	---	2600	2.2

Complete the above part number by adding the material number in the space (--)

Note: A_L Value (nanohenries/turn² = millihenries/1000 turns) based on low frequency measurement



Is there anyone interested in making printed circuit boards?

Contact Craig on 317-1778 or VK6CC c/o VK6XPS on pkt.

Let him know the type of circuit they want to do; size number etc.

He has also purchased a fair quantity of etching liquid (high quality) and will be reasonable with dispensing of it.

Craig also likes to talk with anyone in the group who has facilities for making the film type overlays (positives) as these are costly to have made commercially.

Please bring your ideas and yourselves to the next meeting

73 Craig

For Craig and anybody else there is available besides light sensitive film light sensitive aluminium which is ideal for manufacturing front panels. The finished product looks the same as the aluminium stick on labels you see sometimes on equipment and on electrical appliances. At the meetings we also discussed a supplier of light sensitive circuitboard offcuts because using the spray is not always satisfactory. It is very hard to get an even surface; the photoresist has a limited shelf life and has to be baked for a certain time at a specific temperature.

V H F D X N E W S

The broadcast of Sunday the 21 st of April on 6 m was received in New Zealand. We don't know if the propagation finished before the end because nobody called back. It was assumed they could not call back because they may have been busy contacting Roy's disposal number. We have not called Roy to confirm this.

Q S L C A R D S

Because as you may have noticed we are using stamps to mail the bulletin we can enclose other printed material which was not allowed before. Therefore it was decided at the last councilmeeting to make arrangements for members to get their QSL cards if any enclosed in the bulletin and posted to them.

To make use of this facility contact Peter Tait VK6ZPT. He will collect your cards from the bureau and we will send them to you together with the Bulletin.

SUBSCRIPTIONS 1991-1992

THE WEST AUSTRALIAN V.H.F. GROUP BULLETIN

MAY 1991

SURFACE
MAIL



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