

Editors Chatter

April 2004

CATSWHISKER



G3SDS



G8SDS

Affiliated to the Radio Society of Great Britain

As another radio society year draws to a close, it's good news for everyone that we have a really exciting year planned already.

With your Catswhisker this month you will have noticed the 'Child Protection Guidelines' pamphlet. This is very important indeed and should be read by everyone. It will affect anyone who is involved in training and also at special event stations where the public are involved, the idea being that it is adopted as part of the radio societies constitution at the next meeting.

Thanks and more thanks to all who have supported the Catswhisker newsletter over the past three years, please continue to support the new editor from next month onwards.

I have been privileged as editor to attend all the committee meeting this last 3 years and without exception, all your committee have worked hard to make sure that the South Dorset Radio Society has a solid background and have been building on it all the time.

The membership has increased two fold as well. So let us all work together now and make the events

that are planned for this summer some of the best on record. We have the equipment, so all it takes is a little commitment and I am sure that a lot of fun will be had as well.



The 60th commemoration of the D-Day landings will be marked by a special event station at the Nothe Fort from the 2nd to the 6th June, working from the original communications room where they worked 10 years ago. Also we have had permission to run the station throughout the night of the 5th/6th. This will be wonderful for those in America who want to contact the station. Please contact any member of the committee if you can help for just an hour on one or more of those dates.

So, farewell to the editorship of the Catswhisker from me, but I will be doing all I can to help the radio society in other ways. So it's not goodbye.

Please continue supporting the society as subscriptions are now due!

**Neville M5NEV
&
Carol 2E1RBH**

What do bullet-proof vests, fire escapes, windscreen wipers, and laser printers all have in common? Answer: They were all invented by women.

From The Seat (A Year As Chairman).

It is odd that when I looked at the proposed work schedule for the year and 10% of my weekends disappear from my calendar! So due to these work commitments, this year I will not be able to take any major roles on the societies committee.

The next year seems to be mapped out for talks and events. The committee members have been working hard in the background coming up with suggestions, looking at the news and literature for ideas. The committee are your representatives and should be your voice.

The schedule for training is filling due to the local scout group who would like to take the Foundation Course and an Intermediate Course date is now set to start on 22nd April 2004.

I'm looking forward to the special events the society will be running. A few new ones requiring our support to demonstrate the hobby of amateur radio to others.

International Marconi Day. 24th April **New-barn Field Centre**
60th D-day Celebrations. 2nd to 6th June **Weymouth Nothe Fort**
Museums on the Air. 19th & 20th June **Weymouth Nothe Fort**
Scouts at the New Barn Field Centre.
Chickerell Carnival. Special event station 14th August
International Lighthouse Weekend. 21st & 22nd August **Nothe Fort**

It is a shame that most of the current committee are standing down this year. The society is only as good as its membership and the tireless work which goes on behind the scenes by the committee representing the membership. My personal, "thank you" goes to the current committee. All I have had to do is guide the meetings and eat the chocolate biscuits.

This AGM is very important to the membership as there is a proposal for a constitution change and the re-assigning of a trophy to encourage activity. The committee places will have to be filled and if you can fill a position effectively, please stand for election.

As my term of office ends, I wish to thank the society for putting their trust in me as their chairman and to provide a service to their expectations.

Fayre Shootynge

Mark M5MKW South Dorset Radio Society Chairman.

Next Meeting Night Tuesday 13th April

AGM *(More of a club reunion!)*

Plenty for you to vote on
that will effect your radio society
over the next year and for future years.

We now have a solid group of people
who have the interests of you all in mind.

Please make the effort to come and lend your support.

Thank you all for the help you have given this past year
to the Radio Society and also to the 'Catswhisker'.

Neville Bridle M5NEV (current editor).

WANTED - TREASURER

John MOBQO intends to stand down from the office of Treasurer of SDRS at the Annual General Meeting in April.
Would anyone who is prepared to take over this role please contact John or chairman Mark for further advice?

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PRACTICAL WIRELESS AWARD



Phil Bridges M0PKB (Left) Receives his award from the president of the South Dorset Radio Society, Bill Burden G0EAT

Phil Bridges was singled out from the other members of the society because he has just passed the RAE exam which he took last December. Phil suffers from dyslexia and cannot read enough to understand everything that is written in the various manuals etc. So not to be beaten he devised a way of learning all the theory.

Everything he had to learn was put onto audio tapes by a friend, Mr Roland Smith and Phil listened to them each day for some months before taking the exam. In-between times he came along to the shack / training centre in Wyke Regis and asked loads of questions. Mark M5MKW and Jon G2FHF plus others did all they could to explain the problem areas.

So for his determination and true spirit, Phil was chosen to receive a years subscription of the well known magazine, Practical Wireless. Well done Phil and also congratulations to all those that helped him.

THE WORLD'S FIRST LONG-DISTANCE TRANSISTOR QSO

You need to have Lady Luck on your side when pioneering new technology. Yeovil ARC had their fair share when on February 21st 1954 they achieved an 85-mile contact using a transistor transmitter. At an open meeting to commemorate the achievement Rob Micklewright G3MYM gave a fascinating account of how lucky they had been, and they weren't even bothered about it at the time!

It was lucky that a club member, Clive, an 18-year old apprentice at STC had access to one of these new-fangled transistor devices deemed not to have met the quality demanded by a contract.

It was lucky that he was able to design a basic circuit around it emitting some 8mW on 80 metres. (80, because that was the only crystal available to him whereas efforts by other operators had been on top band.)

It was lucky that the small group of enthusiasts decided to try it out with a general QSO rather than arrange a sked with a station down the road. At the Yeovil key, working as G3CMH, YARC's club call was Frank G3CFV - still a regular visitor to our Weymouth events.

It was lucky that the club's VS1AA aerial was aligned to direct its radiation towards Haslemere. It was 240 feet long, and 60 feet up.

It was lucky that the operator in Haslemere - G3CAZ - appreciated the significance of the exchange in reply to his CQ. He gave them 5-5-9-X (X = crystal controlled). The Yeovil lads had no idea they were breaking new ground.

Had G3CAZ not immediately informed the RSGB, this feat would have gone unrecognised. The RSGB lost no time in contacting YARC but unfortunately by then the rig had been dismantled. Nevertheless, the news was splashed across the Bulletin's cover and later given prominence in a full-blown article. The world of Radio Amateurs was highly excited.

The Americans were hopping mad - transistors were meant for military use and here were civilians, British of all things, muscling in on their baby. The 18-year old, Clive, was hauled up before top brass and suits whom he managed to convince that his efforts had no bearing on killing people! Thus started the age of miniature radio equipment for hams, based on transistor technology.

Thanks to Yeovil ARC for their splendid hospitality, complete with relevant displays at an excellent open meeting and to Rob Micklewright G3MYM for a most scholarly talk. SDRS was represented by Rob G0RYL, Carol 2E1RBH and Ashley.

John M0BQO.

Echolink A few weeks on.

The link has now been established for a few months and seems to be reasonably popular. I have been told there are more SWL (Short Wave Listeners) monitoring than users.

The station is using a second sound card (Creative sound blaster) in a 2GHz AMD PC, G3LIV interface and a Yaesu FT-8000 running 5 watts into a Watson 2000.

Putting the link on has been a huge learning curve. Setting the audio correctly, the interface and small things like setting the squelch (on the program and radio) has caused a few headaches. The link developed a "stutter", this was the virus program using all the computer's resources. This has now been scheduled to run at a different time (with the link off).

Operating practices

Just tone bursting the link is against licensing conditions. BR68 (all versions) states that in any transmitting, the operator must identify themselves. If the link is connected to a conference it just annoys everyone in the conference room. Transmit your callsign and then try to find out if anyone is using the link or if it is connected. Remembering some operators are using low power to get into it (I use 50mW). The conferences are not always busy but several stations are connected and your delicate dialling can be heard all over the world. The link will beacon when on, so wait 10 minutes (I will increase the beaoning rate if requested) and if the link is on you will hear it. Some good operating practises are being used. A few times, local amateurs needed to speak to myself, so they disconnected from the conference and then called. The few times I could not get to the radio (usually playing Unreal Tournament or operating Slow Scan TeleVision), they reconnected the link again. Well done to those few.

A new frequency is now available on 145.3375 and tests are currently under-way. Please if you have a signal report or favour one frequency more than the other, e-mail it to m5mkw@g3sds.org.uk or tell me on the radio! Until the most favourable frequency is found the link will alternate between 434.525 and 145.3375 each evening, except Monday evening when the link will be on 434.525 as the two metre frequency is close to the club net.

Pager noise is a concern on the two metre frequency so several changes may have to be devised. This may mean the two metre link is not on as much. Time will tell.

Always wanting to improve things I may put the NES10-2 DSP unit in, to see if it improves the weaker signals from the conference. I know that one unit is used in a repeater up country and the benefits have been welcomed. Also the possibility of linking the two frequencies to transmit and receive at the same time. This may take some thinking about.

Phil M0PKB at time of writing has applied for a node on 430.025 MHz. This will operate when I am unavailable to monitor mine and will become more permanent in the future.

Some nodes of interest:

GB3DX Birmingham UK 160469 Good for random contacts.
ZL1VK-R Papakura, South Auckland, NZ 6504 A very strange welcome message.
ECHOTEST 9999 For testing your audio.

Fayre Shootynge Mark M5MKW (sys-op M5MKW-L 160310)

SDRS Weekly Nets

Mondays 22.00hrs onwards 2mts on 145.350 MHz.

Thursdays 22:00hrs onwards 6mts on 51.530 MHz

Thanks to Graham 2E1GOQ for running the nets.

Next committee meeting is Tuesday 27th April 2004

If you have anything you would like them to discuss, please contact any member of the committee before that date.

Or if you have anything you would like discussed at the AGM Please put it into writing and send to the secretary as soon as possible.

South Dorset Radio Society Accounts 2003-2004

Income	£	Expenditure	£
Subscriptions	529.00	Insurance	149.62
Tea fund	71.31	Licences G3SDS, G8SDS	30.00
Raffles	192.00	RSGB Affiliation	42.50
BBQ donations	18.20	Hall & Electricity	89.00
Sale of 2 aerials	120.00	Treasurer's expenses	15.31
Ads for Catswhisker	80.00	Editor's expenses (N.Bridle)	45.59
Gazebo hire	5.00	Exp. R.Brokenshaw	18.20
Telford RS raffle	15.00	Exp. G.Watts	5.47
Hamfest	20.50	Equipment - mast trailer	60.00
Adv. tickets skittles	22.00	gazebo	59.98
Donations	20.00	trailer parts	27.65
Total	1093.09	co-ax cable	50.00
		connectors	10.00
		Subscr. to PW	32.00
		Speakers exp	10.00
		Skittles evening	55.00
			700.32
		Excess of inc. over exp.	392.77
		Total	1093.09

Balance Sheet

B/f from 2002/2003		2003/2004	
Cash	21.93	Cash	14.49
Deposit a/c	1319.92	Bank	1962.27
Current a/c	242.14		
	1583.99		1976.76
		Excess of income over expenditure	-392.77
Total	1583.99	Total	1583.99

Club assets: Honda generator, G5RV, Clark Scam mast, trailer, gazebo, box of cables, 2M collinear, Pye Europe PMR, FT101Z (spares), OHP, PK232 MBX TNC, Marconi TF 8688 universal bridge, serial supports, SDRS sign, scanner with UHF adaptors, Eagle multi meter, FT290R, Pye 70cm PMR for SD

This balance sheet was prepared on 8th March 2004, at which time to the best of my knowledge there were no outstanding accounts.

J. Rose, Treasurer

Audited by W. Burden and R. Hodges

Shaftesbury Valve Day 2004

We set off as late as usual, but once again that was my fault, 'getting up' problems! (No comments please), and arrived there around 12 noon.

Everybody was set up and our John Rose (M0BQO) was giving his talk in the lecture room. As usual we were made very welcome, except that we did not take up the offer of a stall that they had put out for us. We will definitely be taking up the offer next year as it is a good way for other clubs to get to know us and us them.

We had a good look round at the various valve sets, too many and too varied to describe, (I will have a few pictures next month for you all to see what I mean). They also had a fish and chip van laid on outside for us to get some nice hot chips, and tea and cakes were provided by the Blackmore Vale Club. Bylara also had a representative there, this is a World Wide Ladies Club (Information available if required) and it was very nice to meet the secretary and exchange thoughts and ideas on ladies in radio.

We thoroughly enjoyed the day (afternoon) and made friends and many contacts there, so watch out for next month's issue of Catswhisker for the photographs and comments.

73 Carol (2E1RBH)

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UK MALAWI DX-PEdition 2004

www.malawi.digital-crocus.com

The 2004 UK Malawi DXpedition will take place between 18 April and 1 May 2004. The full 7Q7 callsign will be announced shortly before the DXpedition starts. Activity will be on all bands 160 - 10m, on SSB, CW, RTTY and PSK31, and possibly 10m FM

The operators are Mark G4AXX, Dick GU4CHY, Steve G4EDG, Steve G4JVG and **Rich M5RIC**. We'll be operating from Red Zebra Lodge on the shore of Lake Malawi, just north of Chipoka.



You may have noticed that a new face has joined the DXpedition, making 5 in all. **Steve Taylor, G4EDG** Steve, aged 46 is qualified in Electrical and Electronic engineering.

First licensed in 1974, he has been active on the HF bands, almost exclusively on CW.

After achieving CW DXCC Honor roll #1 in 1993, he has concentrated on QRP DXing and contesting using home built gear. DXpedition experience started with OF0MA, Market reef in 1987, followed by T31T, ZK3CW and VK9ML, Mellish reef and ZL7C in October 2002 and most recently a solo trip to Stewart Island (OC-203) as ZL4/G4EDG in January 2003, along with several solo homebrew QRP DXpeditions to various Greek islands. He has also operated as KH8/G4EDG, 5W0ST, VK4ARC and 9H3ZC.

Malawi is a landlocked country in southern Africa at approx 14'S, 34'E. Its area is 118,480 sq km, of which 24,400 sq km is water: Lake Nyasa (Lake Malawi), some 580 km long, is the country's most prominent physical feature. The country has a sub-tropical climate with a rainy season from November to May and the dry season from May to November.

Economy

Malawi ranks among the world's least developed countries. The economy is predominately agricultural, with about 90% of the population living in rural areas. Agriculture accounted for nearly 40% of GDP and 88% of export revenues in 2001. The GDP is just \$600 per capita (2002 est) and 54% of the population lives below the poverty line (FY 90/91 est). Industries include tobacco, tea, sugar, sawmill products, cement and consumer goods, with tobacco accounting for over 50% of exports. The country's natural resources include limestone, arable land, hydropower and unexploited deposits of uranium, coal and bauxite. The economy depends on substantial inflows of economic assistance from the IMF, the World Bank, and individual donor nations.

Local assistance we plan to provide

We've been asked to provide equipment and technical help to assist with ship to shore communications infrastructure for fishing and tourist vessels on Lake Malawi.

Latest News

Team meeting. The whole team held a planning meeting at the Radio-sport Show in Stevenage on 15th February. At this meeting airline tickets to Malawi and T-shirts from the main sponsor Kenwood were distributed. At the close of the show the TS480 and TS2000 transceivers were loaned to the DXpedition by Kenwood.

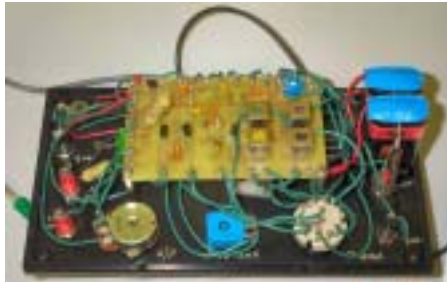
We were visited by Chris G3SJJ who lent us two sets of Dunestar filter banks and a 6-pack antenna switch and selector switch box. This equipment is from the GU8D contest group, a great example of the generosity and friendship existing between the contest groups.

We now have a very good picture of the country where they will be operating from, but they also need your support. Please try to make that contact, it will be most welcome I am sure. More next month.

www.malawi.digital-crocus.com

For the latest information.

Wobbulator steals the show!



The judging of the constructors cup at the last meeting was won by John Rose M0BQO with his home built 'Wobbulator' (Sweep Generator). The front panel being all home made and most of the components being found around his shack. John got the instructions and circuit diagram from 'Radio By gones magazine No.82. April/May 2003.

THE WOBBULATOR

Explanations of Wobblers are given in many texts, but none ever seemed to me to be very helpful. I have tried to pull several together with a blow-by-blow account of what happens, which I hope you may understand. If not, then try copying it out in writing.

The Wobbulator (or Sweep Generator) is a signal generator used in the alignment of Intermediate Frequency circuits. The signal it produces can be widened to cover (sweep) a range of nearby frequencies.

Most broadcast receivers have an IF of 470KHz but their pass band may be between 460KHz and 480KHz. A sweep generator can be set to operate between say, 450KHz and 490KHz. (These calibrations are not usually marked on the dial.) Its output is connected to the first transistor base or valve grid, and the oscilloscope is connected to the detector or volume control. An input to the sweep generator is connected to the oscilloscope's timebase output, which has a sawtooth shape.

The significance of this is described later.

An oscilloscope sends a spot across the screen almost instantly and it appears as a line – but you can set the time it takes to any fraction of a second, that is the X-axis. But note this: with a sweep generator the output is frequency modulated, and the X-axis shows the frequencies that are swept, rather than the time. In a given time, it is the signal's frequency that varies, not its amplitude.

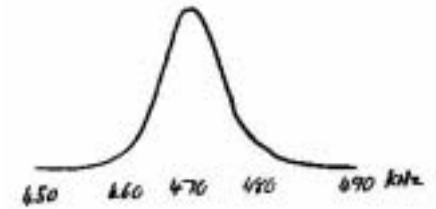
The more voltage is applied to the input, the higher the dot (or line) will go – this is the Y-axis.

The diagram shows a curve rising out of a flat line.

At the start of the cycle the sweep generator is at 450KHz and rising. The spot is tracing its flat line. As the frequency rises to 460KHz the IF circuit begins to pass the signal and a small voltage appears at the detector, shown by the flat line beginning to curve up; by 470KHz when the circuit

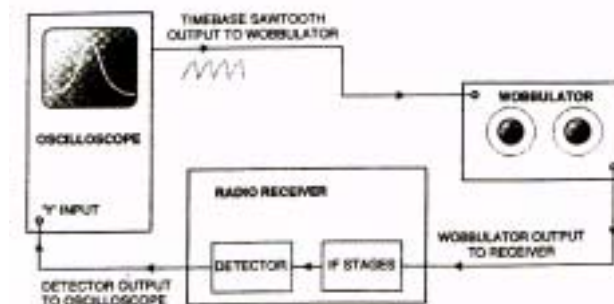
is fully resonant the trace is at its peak. The frequency continues to rise to 490KHz, through the critical 480KHz at which point the signal cannot pass through the IF circuit and the falling spot returns to base line.

The hump on the screen thus represents the frequencies at which the signal is passed by the IF circuit and the amount it rises depends on the strength of the input, and the setting of the Y-amplifier, e.g. in mV per cm.



Where does the sawtooth waveform come into it? When the spot reaches the right-end of the screen, it is instantly suppressed and flies back to the start as the generator begins a fresh cycle at 450KHz. What controls this action is the sawtooth output from the oscilloscope, which has slow rise and fast fall.

A wobbulator can thus help you to 'tune-up' any IF transformer in the strip, or the IF circuit as a whole. If you try it, always follow the manufacturer's advice because it may not be necessary to peak them all.



I made mine from an article in *Radio By gones* (not a kit) and it seems to work quite well.

J.Rose M0BQO

Pirate radio rallies pro-Taliban support

By the BBC's Umer Afri di

Pashtun tribesmen in Pakistan's north-western frontiers are using four locally built FM transmitters to recruit fighters for jihad, or holy war, in Afghanistan.

The transmitters are located in the Bajaur valley, 125 km north of the Pakistani capital Islamabad and close to the Afghan border. Six months ago, a local mullah with some technical expertise built the transmitters to disseminate the teachings of the Koran and the Prophet among the 700,000 devout Pashtun tribesmen who live in the valley.

But after the US attacks on Afghanistan began, the nature of the programmes broadcast via these transmitters changed.

Recruitment role

Reports suggest these FM radio stations have played a pivotal role in organising the tribal people in support of the Taliban.

They are also thought to have aroused passions against Pakistan's official policy of cooperating with the United States.

Since the operations began, religious programmes have been followed by sermons from local clerics encouraging the people to register for jihad and raise funds to help the Taliban.

The stations normally broadcast after early morning and late evening prayers.

However, the clerics running the stations also broadcast special transmissions when they feel the need.

Tribal autonomy

The transmitters are installed in mosques, and each has a range covering a radius of 20 kms.



The mullah who built these stations is thought to be in Afghanistan, helping the Taliban build similar equipment. Not all tribesmen in the valley have radio sets, however

A neighbour will often connect his own radio to a microphone-and-power amplifier, so that the whole village can listen to these programmes.

It is mandatory in Pakistan to obtain a licence for operating any broadcasting equipment. But because of the semi-autonomous status of Pakistan's tribal agencies, it seems difficult for local authorities to enforce the law.

Something we all should bear in mind....

Make sure you have finished speaking
before your audience has finished listening.

(Dorothy Sarnoff)

It's a fact (Beware)

Men can read smaller print than women;
But women can hear better.

Silent key G4PTU 'Charlie'
1923-2004

I have been asked to print the whole letter received from Edward Byrom because the life of Charlie is so interesting and inspiring.
SDRS send their condolences to the whole family.

It is with great sadness that I am writing to inform you of the death at the age of 80 years, of Mr Clarence Charlesworth (G4PTU) of 'Andaxi', Bere Road, Winterborne Kingston, Blandford Forum, Dorset. DT11 9BA. He leaves his wife, Irene, a daughter Helen, Grandson Andrew, Granddaughter Rachael and two Great-grandsons, Ashley and Thomas.

'Charlie' to all those who knew him well. He was proud to be a member of the RSARS (No. 1949) and a life member of Wireless Pioneers (4378 -V).

'Charlie' was born on the 8th November 1923. In 1940, he served as a signaller in the Home Guard; 10th County of Lancaster Battalion (Blackburn) where he passed the signalling test on 8th May 1942 achieving a 98% pass rate in all three forms:

Morse buzzer: 10 wpm Lamp: 8 wpm Flag: 6 wpm

Called up for active service in June 1942, was sent off to India via Durban in November of the same year. In 1943, held the post of instructor at the radio school in Bombay, by which time he was 100% at 23 wpm. He saw active service in India and Burma where he served as wireless operator with 101 Regiment Royal Artillery, then later volunteered again for transfer to the Royal Signals where he was in charge of a mobile radio station, attached to Corps HQ but with a 'roving' commission. He saw active service at Imphal, Kohima, the siege of Mandalay and the recapture of Rangoon. He was also the driver of the first 'truck' to cross the Irawadi river after the construction of the bridge crossing. In the closing stages of the war in the far east, he was in the invasion fleet to Malaya. In the event this was an unopposed landing as Japan had just surrendered after the bombing of Hiroshima and Nagasaki.

He then served at radio stations in Kuala Lumpur and Pennang before being repatriated to the UK for demob in 1946. He married Irene in June 1946, and a daughter, Helen, was born in May 1947.

After the war, he worked on the railway, first as a fireman, but quickly became an engine driver, a position he enjoyed until steam engines were replaced by diesel engines. Not wanting to be a "Glorified tram driver" he left the railway and using his wartime signals background, he became a (then GPO) telephone engineer, where he remained until retirement.

In 1982, 'Charlie' passed the RA exam then qualified in Morse, gaining his licence that November. He went on to teach Morse at Ashleigh College, Darwen, Lancashire and also became an examiner for the RSGB. He was very active on Morse right up to November of last year. He could transmit and receive over 30 wpm and was hailed as **"One of the finest Morse operators in the south of England"**. His radio equipment will continue to be used by Mr R Carter (RSARS) whom 'Charlie' instructed in Morse to enable Richard to gain his licence.

Yours sincerely,
Edward Byrom.
(Son-in-Law)



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Forthcoming Events to look out for during 2004

13th April 2004

SDRS AGM

Presentation of annual awards

Everyone welcome, bumper raffle, tea and coffee.

Also Annual Subscriptions are Due!
Still the same low price as last year!

18th April **QRP Convention** at the Yeovil Club at their usual venue.

16 MAY 2004 MIDLAND ARS Drayton Manor Radio & Computer
Rally - Norman, G8BHE, 0121 422 9787 or 07808 078 003.

6 JUNE 2004 SPALDING & DARS Annual Rally -
John, G4NBR, 07946 302 815. [www.sdars.org.uk]

20 JUNE 2004 NEWBURY & DARS Car Boot Sale - [www.nadars.org.uk]

25-27 JUNE 2004 HAM RADIO 2004 - [www.messe-friedrichshafen.de]

27 JUNE 2004 SEVERNSIDE TV GROUP West of England Radio
Rally - Shaun, G8VPG, 01225 873 003 (OH), 01225 873 098, shauno-
sullivan@breathemail.net

27 JUNE 2004

SWINDON & DARC Car Boot Sale - Mike, M5CBS, 01793 826 465.

18 JULY 2004 McMICHAEL Amateur Radio Rally & Car Boot Sale -
Dave, G4XDU, 01628 625 720 or g4xdu@amsat.org

8 AUGUST 2004

FLIGHT REFUELLING ARS Hamfest - Mike, G0MJS, 01202 883
479, hamfest@frars.org.uk [www.frars.org.uk]

17 / 18 SEPTEMBER 2004

LEICESTER Amateur Radio Show - Geoff, G4AFJ, 01455 823 344,
fax 01455 828 273 or g4afj@argonet.co.uk

19 SEPTEMBER 2004

LINCOLN SWC Hamfest - [www.hamfest2004.secretbunker.org.uk]

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alankiff@compuserve.com

Thursday 25th March 2004, Weymouth College

7:00pm (tea at 6:30)

Cranford Avenue, Fleet Building, Room F129.

Artificial Intelligence: Hype or Reality?

Presented by Dr Martin Lefley, Southampton University

Organised by Andrew Criswick: arcriswick@iee.org
or 01305 212926

This lecture is sponsored by 

Tuesday 20th April 2004, Bournemouth

6:30pm (tea at 6:00)

Bournemouth University, Talbot Campus.

JAVA Security

Presented by Andy Brodie, IBM, Hursley Park

Organised by Nigel Mills W:01202 840685 H:01202
475885 nigelmills@iee.org

All lectures are open to members of the public. Admission is free.
No booking necessary.

For further details, directions and future lectures browse
http://local.iee.org/dorset_swilts/seniors/welcome.html

Registered South Dorset Radio Society

Call Signs

G3SDS

G8SDS

M2Z

Contest Call Sign for selective contests.

For more information on the use of these calls,
please speak to a member of the committee.

*South Dorset Radio Society meets on the second Tuesday of every
month, at Chickerell Church Hall, Weymouth.
7.30 for 8.00pm. No meeting during August.*

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DEADLINE FOR
NEXT MONTH

21st April 2004

Please ensure that the
editor receives your
contributions before
that date.

Editor & Sub-Editor

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