



Radio Active 13

1st + 2nd June 2019

NARC Radio-Active 2019 Weekend Guide:

What is Radio-Active weekend?

Originally Field Day contests used to be quite rugged events in the middle of a rough field - not the easiest and most comfortable of environments for everyone. In 2007 we decided to turn this into a mini-hamfest event open to everyone interested in amateur radio and somewhere where our families can also join in and meet mutual friends. So our now annual NARC Radio Active weekend brings all of this together with informal workshops and demonstrations of all aspects of radio & electronics in a large modern building and field day stations close by with free parking, camping or caravanning overnight and easy access to facilities throughout the weekend.

This year we also have a Special Cricket World Cup Special Event Station - ideal for beginners!

On Sunday David G7URP and XYL Tammy 2E0PLU invite you & your family to join them for Sunday lunch & the weekend is completely free for NARC members, families & invited guests.

What's at Radio-Active 2019? (for details please see full programme overleaf)

- Workshops on making a QRP RF Load or 2m Slim Jim, Installing car radio, Wx, Digital Radio
 - Tools & facilities for Soldering, kit building, Test gear, PCB etching (under instruction)
 - Four Live stations on air for Cricket World Cup Special Event, 6m SSB contest and 2 NFD CW
 - Family friendly foxhunt on foot just before the Sunday Roast - find those hidden beacons!
 - Radio Super Raffle -prizes from BHI, DCP, Gaugemaster, Icom UK, JPR, Martin Lynch, Rapid
- Prizes so far include: Yaesu 2m mobile rig, BHI EQ20-DSP noise cancelling unit, Solar kit

Who can come?

All members of Norfolk Amateur Radio Club, their family, friends & invited guests.

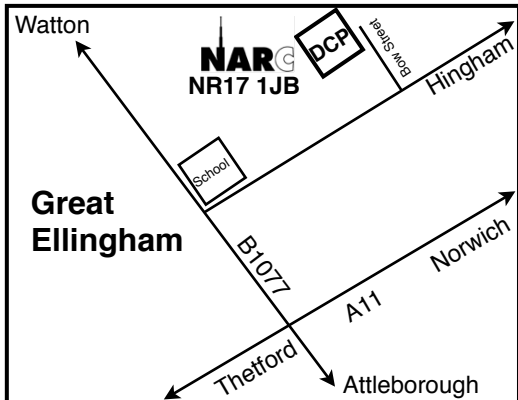
You can drop-in to RadioActive for anything from 5 minutes to all weekend - or even stay over on the Friday or Saturday night as there is plenty of space to camp by tent, caravan/motorhome *We ask that children under 16 have parental or guardian supervision at all times please.*

What do I need to bring?

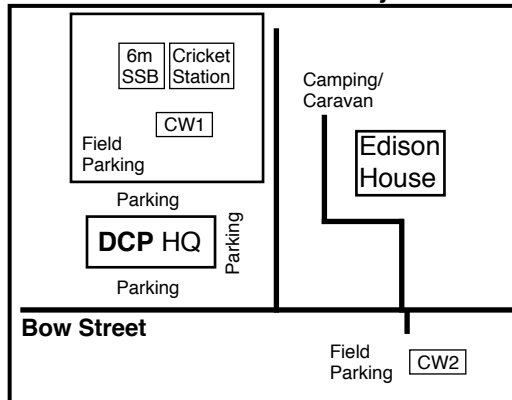
Free Tea, coffee, squash and water are available all weekend but feel free to bring drinks you prefer and snacks etc - there is a fridge & 2 microwaves available. A fold up chair may also be useful for sitting out in the sunshine. And of course don't forget to bring anything you want to build or test; radios, antenna, computers, kits, components or tools - it's what you make of it!

Where is it? Radio-Active is at DCP, 3 miles from Attleborough where we run some courses: DCP Micro, Bryon Court, Bow Street (off Hingham Rd), Gt Ellingham, Norfolk NR17 1JB

Location - Postcode NR17 1JB



Radio Active event layout



FRIDAY 31st May

11.00

On the Field behind DCP

Installation of Cricket Marathon Station A Non-contest station on ALL MODES to commemorate the World cup coming to the UK - ideal for beginners. This station will be on the air from Friday afternoon until midday on Sunday. Antenna for the contest stations will also be erected afterwards. Help & operators required please!

SATURDAY 1st June

09.00

Help required to set up the NFD CW and 6m SSB masts and stations please

09.30

Reception

Special sale of Power supplies, Test gear, Scopes etc All proceeds to the charity

10.30

Meeting room

Electron Electronics Group - Project E2: QRP RF load and power indicator

Nick M0HGU introduces the second Electron group project, a useful low power RF load and power indicator, ideal for QCX and other QRP (<10W) transmitters. After the presentation in the meeting room, Nick will take small groups of 4-5 people over the rest of the day to etch their PCBs in a 'wet room' at DCP. *Those wishing to make a kit must preorder it on the booking form by 29th May.*

12.00

Meeting room

Weather & Radio Propagation Forecast for the weekend with Jim Bacon G3YLA

13.00

Courtyard

Installing an amateur Transceiver in a car or van (weather permitting)

Live installation of a TxRx showing power feeds, suppression, antenna and GPS.

14.30

Meeting room

Make a 2m antenna! One of the simplest yet most effective 2m antennas is a Slim Jim and Steve G0KYA demonstrates how to make one - kit available to preorder

16.00

NFD CW Contest starts! *Support your colleagues start the 24 hour marathon*

18.00

Time for Tea *Ordering fresh cooked pizzas, fish & chips, kebabs, jacket spuds delivered from Attleborough cafe approx £4 - £7 depending on what you choose!*

21.00

DRIVE-IN MOVIE! Watch Big Movie style under the moon (weather permitting)

You are welcome to camp or caravan/motorhome overnight on Friday and/or Saturday night

SUNDAY 2nd June

08.00

BBB Bacon Butty Breakfast by David G7URP for overnights and early visitors!

10.30

Meeting room

Digital radio - An overview of D-Star, DMR & Fusion with Mark G0LGJ plus a look at APRS positioning with James M0UKS, Kevin M0UJD and James G7PQF

12.00

Friendly Foxhunt on foot! Locate the hidden beacons around DCP & nearby

13.30

Sunday Lunch for everyone! *Roast Carvery Bap (or Vegetarian alternative) Free as guests of David G7URP & Tammy 2E0PLU but please book on the form*

15.00

Reception

Super Raffle draw - Every penny to Cancer Research & Norfolk Big C fund *Thanks to BHI, DCP, Gaugemaster, Icom UK, JPR Electronics, Martin Lynch, Rapid*

16.00

Contest ends & Tidy up - help appreciated to pack everything up inside & out

BOTH DAYS

10.00-1600 Open Workshop with construction tools, test facilities and help available over the weekend - bring your projects & gear to test or order kits using order form

General information

Radio Active is a free event open to all NARC members, their families & invited guests.

Tea, coffee & squash available free all weekend but please bring food & snacks etc as required.

All event times are approximate, given in good faith and subject to change - check

www.norfolkamateurradio.org for latest! Event organiser for NARC is David Palmer. E&OE

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NARC RADIOACTIVE 13 : 2019 BOOKING FORM

RadioActive has become an annual event which brings together practical radio & electronics over the first weekend of June. There are 3 main areas of activity over 5 acres of land all adjacent to each other and all open 0900 Saturday to 1700 Sunday with a family lunch on the Sunday - and the event is all Free to members, family & friends. All I ask is that if you can please buy a few raffle tickets so that we can raise funds for cancer charities I support in memory of my late father Bryon (who the building is named after) - with lots of great prizes you stand a great chance of winning! I hope you enjoy the weekend.

- **DCP Bryon Court** - HQ for the weekend with kitchen, w/c's, meeting room, workshop etc
- **Lots of workshops** - Make a QRP RF Load or 2m Slim Jim, Installing a car radio, Digital Radio
- **Radio Stations** - Several radio stations within a short walk
- **Parking** - Plenty of Car parking places around DCP and the house next door
- **Camping** - Ample space to camp by tent, caravan or motor home at DCP or G7URP back garden on Friday & Saturday nights. Fresh water taps & electricity supplies are available at DCP & house
- **Radio Raffle** in aid of Big C appeal and Cancer Research drawn Sunday 3pm- **Fantastic prizes!**

Name..... Callsign/SWL

Phone..... email

SUNDAY ROAST LUNCH: Roast roll family lunch 1pm by David G7URP and XYL Tammy 2E0PLU
The Sunday lunch is free and you are most welcome to bring your family, but please let David know how many are coming and any special dietary requirements in advance.

Total No in your party Any Vegetarian or special dietary needs?

You are also encouraged to bring drinks, cakes, biscuits etc to share too!

NARC RADIO ACTIVE KIT CLUB OFFERS - see overleaf

Overleaf are a range of items at specially negotiated prices which we suggest offer good value and useful in most radio amateur workshops - they need to be preordered to collect at Radio Active or at a later club meeting. All prices include vat & delivery - note that JPR & Rapid websites do not. Payment for any parts or kits ordered on the form overleaf will only be due on collection at the Radio Active weekend or following club nights - *please do not send payment with this form.* Payment will ideally be in cash please as DCP is charged for cheques (please bring exact amount)

HOW TO BOOK!

Please get the form booking your Sunday lunch plus any items you wish to order to David G7URP:

- Hand to David or Kevin MOUJD at the club on any Wednesday at the club up until May 29th
- email it to me radio@dcpmicro.com or FAX to 01953 458849
- Post to: David Palmer G7URP, Edison House, Bow Street, Great Ellingham, Norfolk, NR17 1JB

To order kit club items or your free lunch for RadioActive please send the form so I receive it by one of these means **by 9pm on Wednesday 29th May** as I need to confirm catering and place orders. However you can also order things from the kit club for delivery after RadioActive until 12th June - you do not have to go to RadioActive to buy items or raffle tickets, although I hope you will come!

The Radio Active Weekend and offers are being made by David Palmer on behalf of NARC. David, DCP Micro or NARC cannot accept responsibility for any lost or damage to property. Young people are very welcome but should be supervised by a parent or guardian at all times. All offers are made in good faith on a no-profit non-commercial basis for members and guests of David. DCP and NARC and are all subject to availability. DP Version 1.1 07.05.19 E&OE

NARC RadioActive Special offers 2019

Electron Group kit - see Saturday Learn to Etch your own PCB & make it at RadioActive!

..... E2 QRP Dummy Load with SDR kit - including PCB material & components £ 5.00

*Items below marked **SPECIAL** & ** are particularly recommended for quality & value*

Soldering and Tools

- **SPECIAL** PCB, Connector and Craft holder on base - highly recommended! £ 4.50**
- VisiSpec Clear protective safety specs for soldering etc (HE32664) £ 1.40
- Antex XS25 25W Soldering iron extra flexible silicone cable & plug (845022) £26.00
- Small 1mm tip for above iron - ideal for surface mount (845066) £ 3.00
- **SPECIAL** Soldering iron stand inc sponge - metal construction (SD01123) £ 2.00 **
- Small reel 60/40 leaded flux cored solder 0.7mm 100g reel (SD01535) £ 4.80
- **SPECIAL** Desoldering Pump- sucks unwanted solder from PCBs (SD01151) £ 1.20 **
- Desoldering Braid - wick up excess solder & shorts on PCBs etc (900007) £ 0.70
- **SPECIAL** Wire cutters- highly recommended for PCB assembly (595055) £ 2.10 **
- Wire Strippers - an easy way to strip wires in one single action (595060) £ 4.00
- Coax Cable Stripping tool - ideal for safely preparing RG58 etc (595064) £ 4.10
- Servisol Switch Aerosol electrical contact & potentiometer cleaner (990005) £ 4.00
- Set of 4 stainless steel tweezers - ideal for surface mount etc (TL15782) £ 2.00
- Super Hands: Multi LED Magnifier, PCB/work clamps, iron stand (SD02125) £16.75
- **SPECIAL** 22 piece screwdriver set inc Slotted, Phillips & Torx (TL10369) £ 7.20
- **SPECIAL** Security screwdriver bit set - 33pc set including Torx, Hex, Triwing £ 3.35 **
- **SPECIAL** Antex toolkit: XS25 iron, multimeter, pliers, cutter, sucker, toolcase £37.00**
- Magnetiser / Demagnetiser for screwdrivers and other small tools (TL14068) £ 2.00

Test equipment

- **SPECIAL** Good quality Digital MultiMeter including probes & holster(375500) £ 5.40 **
- RJ45/RJ11 cable & plug tester-for Ethernet cables, some microphone cables £ 3.00
- Mains socket tester shows many live, neutral and earth faults (375717) £ 2.50 **

Low cost imported kits including PCB and components - limited quantities!

- Metal Detector kit includes PCB, all components and battery holder £ 2.30
- 4.5 - 30V 2 wire voltmeter displays, ideal for rig, car battery monitor etc £ 1.20
- Pixie QRP 40m Morse transceiver kit Tx Rx 7.023MHz to 7.026MHz £ 3.00
- AM/FM Radio complete kit inc PCB, case, components & telescopic aerial £ 5.00
- Electronic Combination lock kit with keyboard switches and relay output £ 3.00
- Fun Electronic dice kit with PCB and LEDs £ 2.00
- Human Reaction Time tester kit with PCB, chips, digital display etc £ 3.00

Easy Kits you can order & make at home or at Radio Active with tools & help on hand

- 13 key mini organ kit - sounds of the Stylophone! (445010) £ 3.20
- Battery monitor kit - alarm sounds when battery drops below level you set £ 4.75

Radio Kits you can order & make at home & at Radio Active with tools & help on hand...

- DF100 2m direction finding kit - requires tin, wire for antenna, hand receiver £ 6.00

TOTAL PRICE OF WHAT YOU HAVE ORDERED £

Deadline for ordering in time to collect at Radioactive 29th May - all subject to availability
Payment should be made by exact cash please when the goods are collected either at RadioActive or at a club meeting afterwards - do not pay until you pick up your order.
E&OE - I reserve the right to withdraw an item if the price increases or it sells out

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