

# MAY NEWSLETTER 2023



Essex RAYNET



@ESSEXRAYNET

[www.essexraynet.co.uk](http://www.essexraynet.co.uk)

## MEMBERSHIP & ADMIN COLCHESTER HALF MARATHON WEEKLY & CASCADE NETS

- The Management Team are currently trialing SarSYS, in preparation for rollout to the Membership in June-July.
- We look forward to welcoming Rad M7WXW, James 2E0SUQ and Shane who all have Membership applications in progress - which will take our current Membership up to 46!
- We also received a £56.10 from EasyFundraising, thanks to your online purchases!

Keep it up! - <http://bitly.ws/FGsi>

### UPCOMING EVENTS



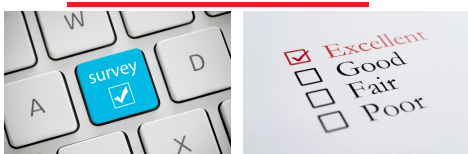
- Summer Training Day - TBC June/July**
- Brightlingsea Carnival - Sat 22nd July
- Clacton Airshow - Thurs 24th - Fri 25th Aug
- Cycle for Life - Sunday 17th Sept
- Chelmsford Marathon - Sun 15th Oct
- Winter Training Day - TBC Early/Mid Nov**
- Santa Fun Run - Sunday 3rd December
- Events in **Black** are confirmed, those in **Red** text are awaiting confirmation.

### ENGINEERING

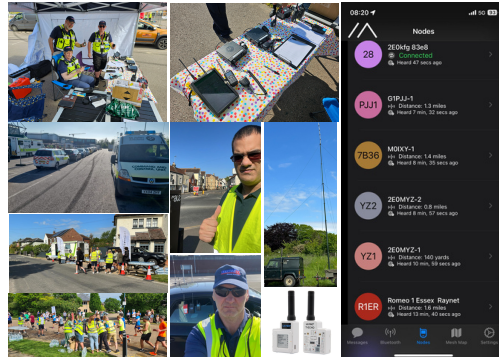


- The Engineering Team recently installed a new Remote Crossband Repeater, at one of our Sites in the Maldon Area - details will be circulated in advance of the Cascade Net on 7th June via the County Reflector. We would appreciate Signal Reports into this new Repeater Site.
- We also carried out Signal Testing for the Colchester Half Marathon, which saw us test UHF DMR, VHF FM and a new technology for us, Meshtastic. From this testing, we fine tuned our Deployment to provide Route-Wide Coverage with ease.
- If you have any enquiries, please contact [engineering@essexraynet.co.uk](mailto:engineering@essexraynet.co.uk)

### RAYNET SURVEY



- The Management Team has now had an opportunity to review the results and feedback of the RAYNET Survey, which has helped focus our efforts for 2023.



- Essex RAYNET helped support the Colchester Half Marathon, last Sunday 21st May, on behalf of Nice Works and the Robin Cancer Trust.
- This popular Half Marathon, over 13.1 Miles, starting at Colchester Football Stadium, before routing through the City of Colchester and into the Countryside.
- This mixed terrain is normally challenging for Radio Coverage, however thanks to our UHF DMR Repeater and setup by G8YPK, we covered it with ease on Handhelds!
- We deployed 15 Operators to support the event, with MOMIZ Simon from Mid-Herts RAYNET assisting us also.
- We also worked alongside Essex 4x4 Response, St Johns Ambulance and Nice Works Events, with local PMR Comms at Event Control and Safety Comms.
- Thanks to all who volunteered and to Rad M7WXW who popped down to see us.

### MESHTASTIC NODES



- We have recently been investigating LoRA Nodes which run Meshtastic, to allow for 'Long Range, Low Power' Communications such as Text Message and GPS Location, using a network of Nodes which 'Mesh' together to build a Network
- Primarily, we have been using the LILYGO T-Beam and LILYGO T-Echo Modules, which are available for under £100 each
- Initial testing is showing some potential, however further research and testing is needed
- If you'd like further details, please contact the Engineering Team [engineering@essex-raynet.co.uk](mailto:engineering@essex-raynet.co.uk)

### TRAINING

- Duty Officer Training for 2E0KFG and M6EBU will take place in June
- Work towards the Summer Field Day, will be discussed at the June Management Meeting
- If you have any Training enquires, please contact [training@essexraynet.co.uk](mailto:training@essexraynet.co.uk)



- Week 1 - Cascade RF Nets @ 8PM**
- Week 2 - DMR Net @ 8PM on Phoenix/Brandmeister Talkgroup 23531**
- Week 3 - D-Star Net @ 8PM on Reflector 79 Module C - connect via your nearest D-Star Repeater or Hotspot**
- Week 4 - Icom LTE Net @ 8PM on Essex RAYNET Talkgroup**
- Week 5 - DMR or D-Star Net @ 8PM on DMR Talkgroup 23531 or D-Star Reflector 79 Module C - connect via your nearest Repeater or Hotspot**

Dont forget, RAYNET-UK also hold a Weekly Net on DMR Talkgroup 23531 and 5023531 at 4pm every Sunday! Accessible via Phoenix/Brandmeister Repeaters or Hotspot!

### ICOM ID-50 D-STAR HANDHELD



- We have received notification that Icom-UK will be releasing the ID-50 VHF/UHF FM/D-Star Handheld, which is due to launch in July-August 2023
- Expected to be priced below the ID-52, this would be an ideal upgrade from a Baofeng or older Yaesu Radio
- You can also send/receive Chat Messages, Photos and similar via a USB Connection between your Radio and Phone, using D-Star technology already built in
- For more details, please contact 2E0XLS Owen at Essex Radio Hire.

### FOR SALE

- 6x UHF Motorola DP4800/1 DMR Secure Handheld Radios, Full Display for Sale, compatible with our System
- 5x VHF Motorola DP4400 DMR Handhelds, compatible with our VHF System
- For enquiries regarding either radios, please email **2E0XLS Owen** [owen.hutley@raynet-uk.net](mailto:owen.hutley@raynet-uk.net)
- If you are looking for a specific radio or advice, please contact **2E0XLS or M6EBU**

73 2E0XTA County Controller