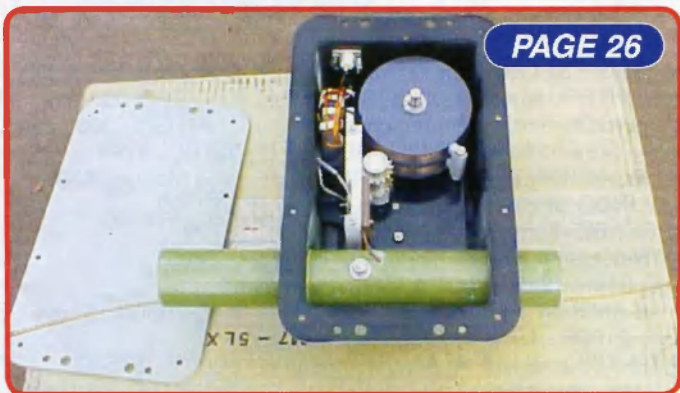


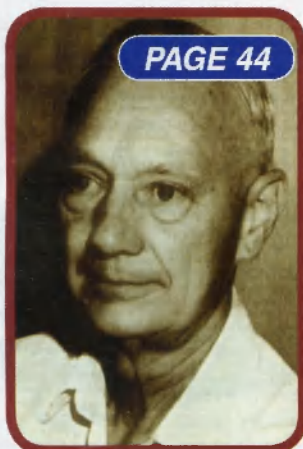
Is it a UFO, VFO, or a modern art project? Does it dominate, radiate, germinate or procrastinate? This odd creature is known as the Crossed Field Antenna! Read all about it -inside.



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What if you could turn on your antenna and tune it to your favourite band?

Vale the "Father of Radio Astronomy"
-Grote Reber
1911-2002

Hello Universe!
This is Grote Reber's, and possibly the world's first parabolic dish antenna, tuned to the universe!



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- 3** Editorial - what can amateurs and others do to help in these troubled times?
- 4** Radio and Communications News - JARL celebrates in their 75th year
- 9** Why 50 Ohms - have you ever wondered why most coaxial cable is designed as 50 Ohms? Why not 100 Ohms?
- 12** Intruder Watch Report form - as suggested in the editorial, every radio listener should have a few copies handy.
- 14** Moffat's Madhouse - Tom ponders the speed of light and explores the phenomenon of ball lightning.
- 16** Cross Field Antenna - it looks like a UFO but radiates like a 20m vertical. Does it really work? You decide.
- 20** Antenna Measurements from the Shack - Ron Bertrand discusses how a simple program can help your maths!
- 24** Scanning on 75 Ohm RG-6 Antenna cable. Why pay for transmitting cable if receiving cable works better!
- 26** John Bays takes us for a look at his new toy, an antenna that tunes to the band you want to operate on.
- 28** Modifications this month looks at AR5000 mods and a couple for the IC-756.
- 30** The best way to learn about antennas is to build them. This article suggests modelling antennas for your club.
- 33** The Rooftop Weather Bureau, Tom Moffat just had to tell you about his on-site weather man.
- 36** Technically Speaking #9 - Ron Bertrand tells us about feeding antennas to make them strong!
- 40** An Invitation from NASA to a Space Shuttle Launch - by Tony Hutchison VK5ZAI (Part-2)
- 44** Grote Reber - Pioneer Radio Astronomer (and Amateur) dies at age 91 in his adopted home of Tasmania.
- 49** The Amateur Radio Scene in Poland as reported by Henryk Kotowski - SM0JHF.
- 50** CQ Contest column by Ian Godsil. Here comes the John Moyle Field Day (Aus) and Jock White Field Day(NZ).
- 53** The J-Pole and Friends - the basics of a most versatile vertical antenna.
- 57** 27MHz DX Jack Haden returns to report on International DX conditions for the avid CBER.
- 60** The UHF CB Repeater List - updated as requested by many readers. If there're any more updates -send 'em in!
- 62** Another request fulfilled - CB DXCC Identities list updated and maintained by Jack Haden.
- 64** Feedback - Readers have the opportunity to offer their views and suggestions.
- 66** Broadcast Monitor - Bob Padula gives a slightly longer than usual report on the Broadcast bands.
- 72** The 10 Most Common Tower Building Mistakes. Steve Morris K7LXC offers advice on "keeping it up!"
- 75** The Radio and Communications Crossword Puzzle to get you thinking between scheds! How did the last one go?
- 76** Ionospheric Prediction Services present the propagation charts for November. We've responded to your requests.
- 78** Radio and Communications Reader's Classifieds are open to all readers not just subscribers.
- 80** The Tale End - How Hans Kiesinger views Pile-Ups and proposes that they are Dangerous to Your Health!