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# NKRS Newsletter

## Issue 147

Our next meeting **16th October 2018** will be at the usual location. The Pop In Parlour (Rendezvous) otherwise known as the Bexleyheath Wellbeing Centre, Graham Road, Bexleyheath. DA6 7EG (Opposite Asda). Doors open at 20.00.

Date	Event
October 16	IP Telephony. A talk by John Knight G8MWF
October 30 ++	5th Tuesday
November 6	J39 Steam Engine refurbishment Stephen Osborn G8JZT
November 20	A.G.M.
November 27 ++	Christmas Curry details to be arranged
December 4	Music Keyboard by Robin Gilbert M0RJT
December 18	Christmas EGM

++ Denotes that this is not a normal club night

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- 2 This week's talk is by our own John Knight G8MWF on IP telephony.
- 3 What is it  
 Jars and how to calculate
- 4 An interesting radio  
 Audio Jumble photographs by John Knight G8MWF
- 5 End

Please note that as I am off on my travels there will be no newsletter prior to the next meeting.

## IMPORTANT

Please note the date of the AGM as it is important for members to attend.

There will be a rule change proposed at that meeting.

## This week's talk is by our own John Knight G8MWF on IP telephony.

Please try to attend to give him your support

### From John :

I will be giving a practical talk and demonstration on IP telephony for home, or business use with Free PBX the most popular free web-interface for telephone exchange based on asterisk.

The talk and demonstration will cover how to construct a 'free' soft IP telephone system and then onto one that uses both soft and hardware telephones.

### Definition

IP telephony (Internet Protocol telephony) is a general term for the technologies that use the Internet Protocol's packet-switched connections to exchange voice, fax, and other forms of information that have traditionally been carried over the dedicated circuit-switched connections of the public switched telephone network (PSTN).



### From Dave

I myself have been using VOIP technology for many years. I first started when I was running my business and reduced our telephone bill from GBP 200/300 per quarter to around GBP 30/40. A significant saving.

Although I use it much less it still has its uses. Recently, when in the Australian territories where cell phones rarely work, if I was able to get internet I used VOIP to connect my friend (Dr Bryan) with his wife in another part of Australia at an insignificantly low cost. Most calls are free.



**VOIP Voice over IP.** Voice over Internet Protocol (also voice over IP, VoIP or IP telephony) is a methodology and group of technologies for the delivery of voice communications and multimedia sessions over Internet Protocol (IP) networks, such as the Internet.

Pictured above are some 'phones that probably won't work on IP technology.

I thought I would start the newsletter with a couple of puzzles one of which I do know the answer to.

## What is it ?

Walking along the Thames path near Putney the other day we came across this device bolted to a sign on the side of the river. We spent some time puzzling over it and wondering what it was. There were no wires connected to it and for one of the pictures my friend had to hang over the railings to take it.

So what is it ??? The answer is on the last page of the newsletter.

Photograph by Peter Manzi hanging over the river



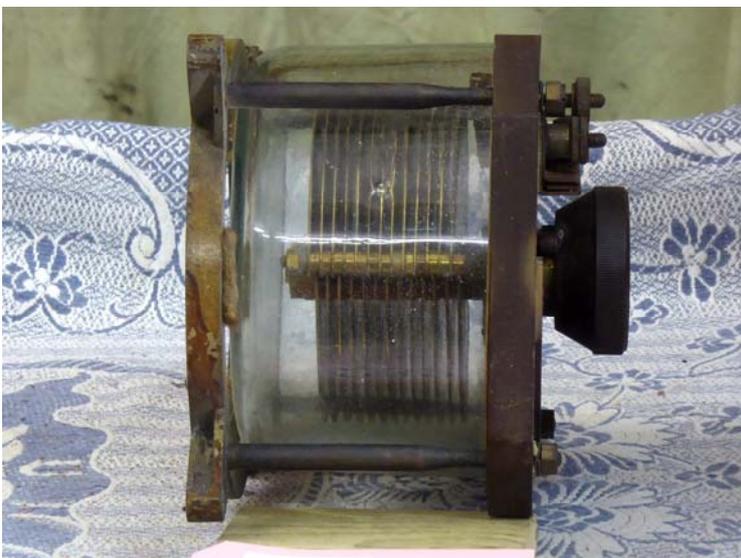
The next item is something I came across while cataloguing a friends collection and it is calibrated in Jars.

We all know what jars refers to and we all know that the formula for a Farad is (from memory so it may be wrong)  $C = kA(N-1)/4\pi d$

Also I have found that  
1 farad = 898755178.7 jar

But what is the formula for a Jar ?? Just curious

Answers by email please.





Finally on the Jars theme I came across this rather interesting receiver with again the capacitor marked in Jars.

If anyone knows anything about this receiver I would be interested to hear,



The Tonbridge Audio Jumble

John Knight G8MWF attended the recent Tonbridge Audio Jumble and sent me some photographs.

The similarities to a radio rally cannot be missed perhaps we should call them radio jumbles.



## AUDIOJUMBLE 2019

The UK's largest second-hand and vintage hi-fi event.

Twenty-seventh Year!

Next event: Sunday  
17th February 2019



Photograph by John Knight



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**The device on Page 3** is a surveyors prism made by Leica cost around £100

That's all for now and there will not be another newsletter until mid November as I am off on my travels again. I wont be around for the 5th Tuesday.

I will be around for Johns talk, please try and attend to give him your support.

All the best

Dave