



Mid Sussex Matters

Volume 6 Issue 4 - 2018

Our Society's Newsletter



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**Burgess Hill
Town Fayre
2018
St John's Park**



Mills on the Air 2018 in Jack and Jill Car Park

Here are just a few pictures from that weekend. It was felt that the portable trailer was not needed with so few people and leaving the onus on one person to transport it. That was wrong and for that as the Committee we apologise. We do need more people to help out to make these weekends more fun.



Members Shack Number Four

This month I have decided to show some pictures of the Shack that we have at in our Society clubhouse. You can see that we have two radios installed and both of these have a morse key if you prefer.

In the background you will see a painting of our past President Louis Varney G5RV.

Below you notice some other members listening to the radio.



The Real Morse Code continued from last month

cont/...

and it was not until he received help from Professor Joseph Henry that he was able to construct much more sensitive electromagnets which permitted operation over several miles of two-wire line.

Fig.2 shows the original numerical telegraph type cast in lead by Professor Morse for assembly in the "Port Rule" to form groups of numerals representing letters & words in the English language. It will be observed that the only way to distinguish the numerals 1 to 5 from the numerals 6 to 0 was by noting that the SPACE incorporated in the lead castings was perceptibly slightly longer

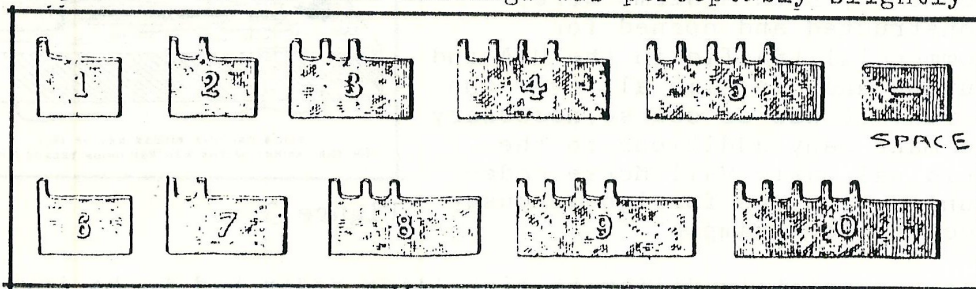


Figure 2.

duration for the numerals 6 - 0 than that in those representing the numerals 1 - 5. This arrangement was obviously unsatisfactory and confusing. The separate SPACE casting was intended for use between GROUPS of numerals.

Here we must leave the main story of the development of Morse's invention and its eventual successful demonstration before Congress in January 1838 in New York and the successful trials of the improved equipment over various distances culminating in a workable circuit between Baltimore and Washington in April 1844 and turn our attention to two brilliant inventions of his partner, Alfred Vail, to whom it was evident that the "port rule" and the purely numerical code invented by Morse were quite impractical for efficient and rapid communication.

The first of these inventions was the use of DASHES (having a duration equal to that of three dots) and dots to represent letters of the alphabet. Vail visited the local newspaper printer in Morristown to examine the type-cases of the compositors. He found that the letter e was the most frequently used letter in the English language, closely followed by, i, s, & h so that, to these letters, he allocated groups of dots only and to the less frequently occurring letters he allocated groups of dashes and of dots and dashes combined. He also eliminated the ambiguity of Morse's code for numerals by adding DASHES to the confusing purely DOT groups. However, because the Partnership Agreement which Vail had signed with Morse allowed Vail only a one quarter interest in the business, he was obliged to permit his revolutionary code to be called the "Morse Code".

At this time, Vail also decided that the function of the cumbersome "port rule system" could be achieved much more efficiently by the use of a simple hand operated "Finger Key" which, for the reason referred to above, inevitably became known as the "Morse Key"!

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On May 24, 1844 the historic message "What hath God wrought?" was transmitted from Washington by Morse using the new Vail alphabetical code and received by Vail at Mount Clare in Baltimore.

Once the feasibility of establishing telegraph systems over long distances had been proved to be both feasible and economic, such systems were constructed and opened for commercial traffic in the USA and Europe and, in time all over the world. It was of course, necessary to make many additions to the original basic Vail-Morse code-punctuation and foreign language accents for example.

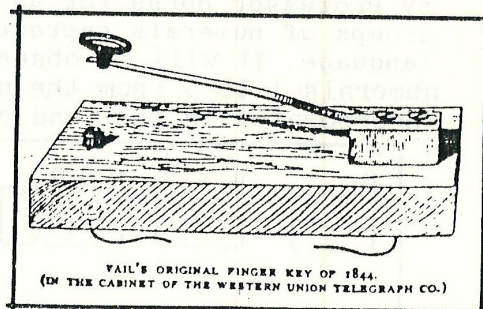


Figure 3.

Also, completely different signalling codes had to be invented for the Japanese, Russian (Cyrillic) and Arabic languages. But that is another story and if readers are interested, I would be happy to write another article dealing with this aspect of the Vail-Morse code development.

See Part 2.

MORE ON MORSE.

One hundred and eight years after the above events, Morse code is still a topical matter. The February '93 edition of "SHARC Club News" from Pensacola for example notes that the U.S. Coastguard has now dropped all use of the code.

Bob, N4XAT notes nevertheless that whilst Morse, via CW may not be the fastest mode currently available to us it probably remains the most reliable means of communication when operating under poor conditions, and is pretty sure that it is one of the least costly modes as far as equipment is concerned.

Some MSARS members are now fully computerised CW operators, holding QSO's at high speed via their keyboards, screens and TNC's with other amateurs similarly equipped. Other members are currently building QRP CW transceivers so the mode lives one in one form or another. One of my own recent contacts with a blind, dumb, amateur could not however have been achieved by any other means and gave us both a great deal of pleasure.

I hope that our activity day later this month will include a good number of CW QSO's between SHARC and MSARS members not all conducted via keyboards, ... remember the Clothes Peg Key I entered in last years Construction Contest? I may bring it out again on March 13th! G3WYN.

THE REAL MORSE CODE. Part 2.

by **LOUIS VARNEY G5RV.**

As promised in part 1. of this article in the April 1993 issue of "MID SUSSEX MATTERS!" I can now, by courtesy of John Robinson GOKXS of Bognor Regis who kindly sent me a copy of "The Morse Codes for other languages"...(more correctly titled "Telegraph Codes for other languages)...give you those for the Japanese, Korean, Arabic, Hebrew, Russian and Greek languages.

Morse Codes for Other Languages						
Code	Japanese	Korean	Arabic	Hebrew	Russian	Greek
.	へ he	ㅏ a		א vav	Е, Э E	Ε epsilon
..	ム mu	ㅑ ㅓ	ت ta	ט tav	Т T	Τ tau
...	ニ nigori	ㅕ ya	ي ya	י yod	И I	Ι iota
....	イ i	ㅗ o	ا alif	א aleph	А A	Α alpha
.....	イ タ ta	ㅛ yo	ن noon	נ nun	Н N	Ν nu
-----	ヨ yo	ㅜ m	م meem	מ mem	М M	Μ mu
-----	ラ ra	ㅠ yō	س seen	ש shin	С S	Σ sigma
-----	ウ u		ط ta	ט tet	У U	ΟΤ omicron ypsilon
-----	ナ na	ㅠ yu	ר ra	ר reish	Р R	Ρ rho
-----	ヤ ya	ㅜ p(b)	و waw	ץ tzadi	В V	Ω omega
-----	ホ ho		د dal	ד dalet	Д D	Δ delta
-----	ワ wa	ㅇ -ng	ك kaf	כ chaf	Н K	Κ kappa
-----	リ ri	ㅅ s	خ ghain	ג gimmel	Г G	Γ gamma
-----	レ re	ㅍ p'	ح kha	ה heh	О O	Ο omicron
-----	ヌ nu	ㅌ u	ح ha	ח chet	Х H	Η eta
-----	ク ku	ㅍ (b)	ع ad		И J	ΗΤ eta ypsilon
-----	ク テ ti	ㄴ n	ف fa	פ feh	Ф F	Φ phi
-----	ノ no				Ю yu	ΑΤ alpha ypsilon
-----	カ ka	ㄱ k(g)	ل lam	ל lamed	Л L	Λ lambda
-----	ロ ro		ع ain		Я ya	ΑΙ alpha iota
-----	ル lu	ㅅ ch(j)		פ peh	П P	Π pi
-----	ヲ wo	ㅈ h	ج jeem	ע ayen	Й Y	ΥI ypsilon iota
-----	ハ ha	ㅊ t(d)	ب ba	ב bet	Б B	Β beta
-----	マ ma	ㅋ k'	س sad		б, в mute	Ξ xi
-----	ニ ke	ㅌ ch'	ث tha	ס samech	Ц TS	Θ theta
-----	ニ ケ hu	ㅍ e	ظ za		Ы I	Υ ypsilon
-----	フ ne	ㅍ t'	ذ dhal	ז zain	З Z	Ζ zeta
-----	フ ソ so	ㅍ ae	ق qaf	פ kof	Щ SHCH	Ψ psi
-----	ソ ko		ز zay		Ч CH	ΕΤ epsilon ypsilon
-----	ソ ト to		ش sheen		Ш SH	Χ khi
-----	ソ ト ミ mi		ح he			
-----	オ han-nigori					
-----	オ o					
-----	オ キ (w)i					
-----	ン n					
-----	ン テ te					
-----	エ (w)e					
-----	セ hyphen					
-----	セ se					
-----	メ me					
-----	モ mo					
-----	ユ yu					
-----	キ ki					
-----	キ サ sa					
-----	ル ru					
-----	ル エ e					
-----	ヒ hi					
-----	シ si					
-----	ア a					
-----	ス su					

ㄱ lam-alif

The End

For all those wanting to come to this years Barbeque tickets are available from either Sue Davis or Stella Rogers at £10 each. You are welcome to come with family, friends, loved ones or partners. The only other money you will need is raffle money and all of that will go to the charity listed on the ticket. As always there will be beer, soft drinks, our brilliant Chef who is known to cook some fantastic burgers or sausages plus onion, will be there; for those wanting other foods there will be salads, cold meats etc. followed by luscious puddings.





Mid Sussex Amateur Radio Society

30 Bonny Wood Road
Hassocks
West Sussex
BN6 8HR





Chairman's Charity Barbeque

Friday 13th July 7.30pm-10.00pm

£10

Phone: 01273 845103
E-mail: g6ypy@msars.org.uk
Phone: 01273 844511
E-mail: chairwoman@msars.org.uk



Mid Sussex ARS Net Times—all times local

Sunday	0800	3.740MHz ⁺ /.QRM
Sunday	1100	145.350MHz
Weekdays	1330	21.330MHz ⁺ /.QRM
Tuesday	2030	3.725MHz ⁺ /.QRM (SCARF)
Wednesday	2000	GB3HY 430.900Mhz 438.500Mhz CTCSS 88.5hz

Listen Transmit

Any problems for GB3HY go to <http://www.msars.org.uk/repeaters.html#gb3hy>

New Club Mini HD Media Player

Merv 2EoWVE, has very kindly donated to the club a Mini HD Media Player. It will allow any member who wishes to use our projector a choice of inputs and outputs. It



can accept USB sticks or SD cards and output HDMI, VGA or Composite video. No need to use a laptop computer any more! The Mini HD Media Player was used at our recent video evening and proved to work extremely well.

It has an IR controller and plays all the common video formats, MP4, AVI, MPEG etc.

The Media Player has multiple interface options for both video and audio connections.

HDMI - Video and Audio combined

HDMI - Video and analogue audio via AV cable (Red and White phono plugs).

Composite Video and Audio (CVBS) - Yellow, Red, White phono plugs

VGA - Video audio via AV cable with Red and White phono plugs.



Burgess Hill Town Fayre 2018

St John's Park

With the sun out for most of the day we had a great time. You will see on the front page some of the members putting up the G5RV Antenna into the available trees. Also Alan G8YKV on radio and Adrian MoTCD logging in the trailer. This worked very well for a lot of the day.



Top Picture - Inside our portable trailer- Alan G8YKV and Stella M6ZRJ
Middle Picture - This was take from just outside the front of our trailer . It was a great site to look at all day.

Bottom Picture - Inside and outside our gazebo with Russell G7TMR and Chris 2EoGZZ.

For those that did not make it to this event, you missed a lovely day in the park, with a fantastic amount of people.

Fri 29 Jun	'On Air Night'
Fri 06 Jul	OUT Fox Hunt
Fri 13 Jul	Chairman's Barbeque at the home of Sue G6YPY in Hassocks
Fri 20 Jul	Radio Night and Table Top Sale
Fri 27 Jul	OUT Fox Hunt
Fri 03 Aug	"On Air Night"
Fri 10 Aug	Nag and Natter Night
Fri 17 Aug	Radio Night and Table Top Sale
Fri 24 Aug	Nag and Natter Night
Fri 31 Aug	OUT Fox Hunt
Fri 07 Sep	Prep Evening for Haywards Heath Town Day
Sat 08 Sep	Haywards Heath Town Day

Diary Dates
July to
September
2018

Mid Sussex Amateur Radio Society 2017—2018

President	Vice President
Ken Gibson G3WYN 01444 412420	Mike Pollock G8KMP 01444 244953
Chairman	Shack Manager
Stella Rogers M6ZRJ 01273 844511	Chris Davis 2EoGZZ
Vice Chairman	Committee Members
Dennis Conway MoYDC 07733 986698	Kim Newland G7AIE 07787 770059
Secretary	Dave Parker 2EoIQW 07850 822434
Alan Cragg G8YKV 01273 844511	QSL Manager
Treasurer	VACANT
Sue Davis G6YPY 01273 845103	Course Administrator
Programme Secretary	Adrian Allen MoTCD 01798 815286
Peter Fry G4AKG 01444 239371	Lead Instructor
	VACANT

Amateur Radio Insurance General Information

South West Broking Ltd Insurance Brokers

South West Broking Ltd is pleased to offer insurance for radio amateurs.

Cover

Insurance is available to individuals, clubs and Raynet Groups

Cover is provided for "All Risks" of loss or damage to your amateur radio equipment including masts, aerials and ancillary equipment by theft, water damage, lightning strike and other accidental damage.

- Cover at your home or club house.
- Anywhere in the United Kingdom.
- Anywhere in the world.

For All Your Radio
Insurance Needs

there is no better company than

South West Broking
Ltd

Basis of Claims Settlement

- New for Old

Significant Exceptions and Limitations

- Wear and tear, gradual deterioration, frost, faulty or defective design or materials or workmanship.
- Mechanical or electrical breakdown or derangement.
- Losses from unattended vehicles unless certain conditions are met.
- An excess of £50 applies if you have cover restricted to your premises only but this is increased to £75 if you have selected cover for anywhere in Great Britain or worldwide. In respect of outdoor antennae and masts, you will be responsible for the first £250 each and every loss.

Third Party Personal Liability

Personal Liability providing cover against injury to third parties or damage to their property arising from your negligence is included as standard whilst you are engaged in any amateur radio activities.

For further information, please contact Julian Dent
Telephone: 01454 806503
Email: julian@southwestbroking.co.uk
www.southwestbroking.co.uk



Scan here for more information

South West Broking Ltd – Amateur Radio Insurance Scheme v4 September 2016
This is only a brief summary of cover and does not form part of any policy document or implied quotation or contract

Mid Sussex Amateur Radio Society



The Postal Address is:
Millfield Suite
Cyprus Hall
Cyprus Road
Burgess Hill
West Sussex
RH15 8DX

