

## International Morse Preservation Society



# KEY NOTE



Sec: E. (Geo) Longden, G3ZQS. 119 Cemetery Rd., DARWEN, BB3 2LZ, England. 01254-703948

E-Mail: [fist1@compuserve.com](mailto:fist1@compuserve.com)

FISTS (EU) WEB SITE <http://www.asel.demon.co.uk/fists-hq/>

### OFFICES

**QSL Manager: G0FRL. Bob Lowe**  
PO Box 190. BOLTON. BL1 4UL.  
**U.S. Rep: WZ8C. Ms. Nancy Kott.**  
5450 Diehl Rd., METAMORA, MI48455

**PRO: G4YLB. J.A. Welsh**

3 Minster Cresc, DARWEN, BB3 3PY

**CONTEST MANAGER: GM4BAE**

Northbrae, Brookfield Cresc, STRANRAER, DG9 0HY

### NETS

Sunday QRS 0900 (loc) 3.575 2E0AJS  
US 0100Z on 14058

Tues: GC0IPX/P 1930 ON 3.558 (+/-)

Wed: US Net 0100z on 14058

Thurs: QRS 1900 (loc) on 3575. 2E0AJS

DX 14/21/28.058 on the hour for 15mins

Pse keep watch all Novice allocations

UK Net Controls use GX0IPX/P

Up-dated **listings** may be obtained from HQ. Full or US listing 3 2nd class stamps, EU 2 stamps. No envelope necessary. **Lapel Badges**, £1.50 incl. **Fabric patches** £2.50 incl. **QSL Cards** £5.00 per 100 or £8.00 per 200 (UK and EU pse add £1.00 for p/p. DX members - on advice. Personalised stickers £1.00 per sheet (65), max order 5 sheets.

**SUBS:** UK £5.00, EEC £6.00, Non-EEC EU, £7.00. Others £10.00.

Your renewal date appears on the mailing label and your anticipation would be much appreciated.

### GREETINGS

Isn't it strange how sometimes, everything 'gells' and you get a smashing run whilst at other times, Sods law applies and if anything can go wrong, it jolly-well will. However, my misfortune may help others to have one less of those horrible periods. I should explain. A lot has been heard of in the press of the new Windows 2000 and it was widely hailed as the greatest thing since Babbage so, when it was advertised, I took the horn by the bulls as it were and ordered. It ain't exactly cheap either (well that is unless you consider £180 plus for the package and delivery to be insignificant) but from the noises emanating from computer mags etc., it was going to be well worth the money. I installed it per on-screen instructions after having taken the precaution of dumping a copy of all FISTS and other data onto a zip drive and settled down to see what it was like. Problem. My computer no longer recognised either of the two communication ports. A glimpse at the status yielded the information that neither of these ports were working **and should be replaced**. The soundboard no longer worked and neither did the scanner on which I am much reliant. I reverted to the standby computer (now aren't I glad I had that made up) and transferred the modem to this so that I could pick up my e-mail whilst I put in an urgent call to a long suffering local friend who turned up with a spare hard drive. Windows 98 was already installed on this so we used it as master to wipe the original drive (now the slave) and I eventually managed to get that drive up and running again though there is still a snag since I cannot get the machine to recognise the sound board. Whatever you do friends, do not upgrade to Windows2000 or Windows Millenium until you are sure that the system is safe.

Checking on 30m, I have found a few members hanging around uncertain as to which frequency to be on. My CQs on 10.1158 though were largely FIST-less and no members were heard either on 10.1058 or any other '58'. During the evening, someone seems to be broadcasting the calls of a rampant male cat just above 1158 but the rule of 'tune down before up' found clear spots from about 1155 so really, there should be no problems on this band for us. Well, what about 24MHz? There is little significant activity on 24.9058 though it could get a little chaotic if there are any DX stations since the horde will call anywhere from 050 to 065 so my preferred starting point became 24.9158 and from that spot, many US and other members have been worked. 18MHz is the oddity. This starts at 18.068 which of course precludes the use of 18.058 and 18.158 is almost at the extreme band edge. I settled here for 18.1058 but the pickings were slim. Perhaps members would be better rewarded on this band by concentrating on the area between 18.1 and 18.15 giv-

ing preference to readouts ending in '58' such as 18.1158, 18.1258 etc.

As more and more of us begin to take advantage of the Web, I wonder how much longer it will be before your friendly neighbourhood postman is collecting his unemployment benefit. An example here of the switch to a different life style is of GW3SB who uses telephone banking and sadly now has to arrange for the supermarket to make bulk deliveries including milk. Yes, even the old milkman has hung up his boots in the face of 'progress'. But progress at what price I ask? He and Alice are both in the lowest gear these days, Alice has become dependent upon a stick for walking and they both find travelling even short distances something of a challenge. Up here in the sticks, the local farmer still has a profitable milk round and with the nearest supermarket some 20 minutes drive away, there is a chance he will still be rattling bottles on doorsteps for a few years yet. Most of the club's critical communications now take place via the internet though and there is a steady increase in e-mail over snail mail for all things other than subs. Don't get the idea that I am moaning about it though. It takes a lot of work off my hands and increasingly provides a faster service but when push comes to shove, how long will Amateur Radio survive under these pressures? One thing I am sure of is that if ham radio continues to exhibit declining support then the last dying whimpers of the hobby will be in CW because it is the only real 'fun' mode and the hobby will have been deserted by the phone users long in advance.

### BX STATIONS

Alen, BV4PS (now BX4PS) advises that there are currently 18 Taiwanese BX calls in operation. They are:

BX2AA, BX2AB  
BX2AC(ex BV2TA), BX3AA(ex BV3CL), BX4AA(ex BV4QA), BX4AB(ex BV4RC), BX4AC(ex BV4DH), BX4AD(ex BV4HB), BX4AE(ex BV4PS), BX4AF(ex BV4ME), BX4AG(ex BV4QW), BX4AH(ex BV4RG), BX4AI(ex BV4OS), BX4AJ(ex BV4RF), BX4AK(ex BV4PM), BX4AL(ex BV4OQ), BX5AA(ex BV5GQ), BX7AA(ex BV7WB),

### ASSISTANCE REQUIRED (LONDON)

Jordi (EA3WC) is due in London early in March as part of a staff transfer rota and is expected to be there for some 12 months. He will be seeking accommodation with convenient access to the city and would like to know if there are any Radio Clubs within striking distance of the city centre. He is also keen to locate good Ham Radio shops in the city and will doubtless appreciate any FISTS eyeballs so, any of you residents of the Smoke help?

Pse let me know if you can be of assistance by which time I should be aware of Jordi's London address.

### SWANSEA RALLY

On 16 April, Bill GW0SGG, will again be in attendance at the Swansea gathering and looking forward to seeing any FISTS members who can make the trip. The stand will likely be staffed by the usual GW boys who offered their support on previous

occasions. I am grateful to Bill for his support and would encourage other members to set up a similar stand at their local venue. Currently, we have only two or three other than those supported by G0FRL and crew and it takes little work to set up a stand which is repayed handsomely by the number of members who stop by for a chin wag.

### HORWICH RALLY

BOB, G0FRL will be attending a table at this venue. Not sure if I can make it my-self but will certainly try. This is of course 9 April and as usual, we anticipate support from Bill, G0JWB.

### MORE ON THE LOGGING PROG

There are 16,285 callsigns in my QSO.DBF file. The details of contact dates, bands etc., will be of little interest to users of course but I can make this file available to you with all contact info stripped from it, leaving you with Name, Affiliation and QTH which could prove useful. For those of you who have already started their own QSO database, if you would like to send me a copy, I can add your existing contact details to this one so that your dates, bands etc., will be intact. Total size is just over 1MB so a single 144MB floppy will suffice.

### LAST SUNDAY LADDER

Current results received from Gerry, GM4BAE via e-mail shows a few member running away with it on this first months total but there is plenty of time yet (10 months to be precise) so this we suspect, is going to change.

Call	Mbr	Pts	Nonmbr	Pts	Total
G0ANV	20	40	0	0	40
G4LHI	15	30	4	4	34
G0MRH	15	30	2	2	32
PA3AFF	12	24	4	4	28
GW0SGG	13	26	0	0	26
GM0VIT	7	14	3	3	17
M5ABN	8	16	0	0	16
G4RBE	4	8	1	1	9
F5NTP	4	8	0	0	8
M5AGL	4	8	0	0	8
G0PEH	1	2	6	6	8
G0VBH	3	6	0	0	6
M0BHE	3	6	0	0	6

### PA3BBH CHANGE OF CALL

Dear Geo, I want you to know that I also have a new (vanity) call: PA4TS. It means that I can omit the last eight dots of my old call (PA3BHH)!

73 Ton Smit, PA4TS 106 NL-7161 WC NEEDE FISTS 4872

### KEYNOTE ON LINE

There has been some interest in the idea of circulating Keynote to those members who are able to access the web. Doing it from this end is gonna be problematic but Andy, G0JLX, has managed to convert over 2MB of Keynote data from it's DSP format to Acrobat. This reduces to just over 100K.

If any member is interested in trying this then please let me know because the original approach was with the prospect of saving on postage.

Assuming success, the photographs that you see in 256 greyscale in Keynote could be in full colour via a PDF file and it also leaves me free to employ colour in the digital version of Keynote which should add some interest.

Pse try the EU website, and see if it is convenient for you to download Keynote from there.

Your record if you so wish, can be flagged as MAIL=FALSE and you will not receive Keynote by snail-mail. OK, so this saves us 10 2nd class stamps and envelopes per member per year but as the old lady said when she spat in the sea....

### RAOTA NEWS LETTER

Thank you to G3OEP for the copy received. Dave asserts that amateur radio is neither dead nor dying but concedes that it is going through a 'mid-life crisis' I'm with you there mate. The need for new blood in the hobby was felt long before the coming of the internet and mobile phones and indeed before the current clamour for a code-free ticket.

Dave points to the RSGB as being one leg of a tripod in company

with the national magazine and local clubs and quite rightly questions why less than half the licensees subscribe. This means of course that at least 50% of UK amateurs are enjoying the perks generated by the Society leaving the rest to pay for the privileges for which the Society has fought.

OK! I know it sounds downright unfair but who is to blame? The RSGB, unlike FISTS or the G-QRP club for instance, is a limited company located at a very expensive address producing a glossy full colour magazine. It needs to show a profit and with a reducing membership, the only answer is to increase fees.

Like the local bus companies country-wide, the more they increase fees then the more passengers and prospective passengers fall back on cheaper alternatives - shanks ponies or the private car. Can you blame them? Vicious circle ain't it?

At this point, I am tempted to remind you that FISTS subs have remained constant (with the exception of an adjustment due to the cost of overseas mail) for over 10 years. Admitting inflation into the equation effectively means **reduced fees!**

### NEW MEMBERS

7112	M0BHK	Gordon	7113	G4JZO	Marty
7114	OE5GM	Gunter	7115	G3KII	Derek
7116	F8AWA	Phil	7117	G3JKX	Mike
7118	G3GPE	Ken	7119	M0BXM	Pete
7120	M0CGF	Ian	7121	G0VPI	El
7122	G5KC	George	7123	EA8YU	Goran
7124	G0UEC	Jim	7125	M0CPB	Bev
7126	M0BPM	David	7127	G0HUZ	Tony
7128	G0LUZ	Suzanne	7129	M0CST	Andy
7130	M5AGQ	John	7131	M5ADC	Mark

The latter two members incidentally are a husband and wife team whilst OE5GM caused something of a headache since he was sponsored with a free ride by another member and in the interim had acquired an application form which he submitted. Put me into a bit of a tizzy this one!

I am also getting a number of lapsed members wishing to re-join but doing it the wrong way with a new application. If you know of any such ex-members, please remind them that they only need send the subs and quote their FISTS number just in case they do not appear in the holding file.

### ALTERNATIVE CALLS

This has been mentioned before but oddly enough they keep appearing. If we are advised of an alternative call, it is easy enough for me to append this in the database record but it also means that if Bob is unable to directly recognise a member, he has to start scratching through the database looking for possible alternatives. Members using alternative calls will presumably quote their number but please also quote your primary call i.e. QSL via G0XYZ/FISTS so that this can be appended to any QSL cards. This will save time since Bob will not have to check through the list for possible alternatives and will also save money since he will not need to buy quite so many aspirins. This is where the convenience of clearly **printing** the call on the upper left hand reverse corner comes in useful. On the face, the card may be addressed to GX0IPX/P but as long as you print G3HZL on the reverse, the mystery of the addressee is immediately solved. I stress **printing** incidentally since some of you use semi-script characters and you won't believe the headscratching that it can cause. Is that an 'S' or a 'J', 'O' or 'D', 'X' or 'Y'? And of course PLEASE sort 'em in callsign order.

### ACCURACY TRANSCENDS SPEED

It is something of a relief that this sort of thing never seems to happen amongst our members but there are a few stations that I encounter occasionally who have a most off-putting method. It is primarily with numerals where a '1' is terminated by half a dozen or even more dashes (di dah dah dah dah dah dah) and a '6' by a string of as many as eight dots. Occasionally they send a '6' for a 'B' or a '1' for a 'J'. It is suspected that a modest reduction in speed would correct this trait. One becomes adept at translating 'P' for 'an' or 'PD' for 'and'. We have long since become inured to 'nag' for 'name' or 'gx' for 'tx' the mangled '6' from above to 'this' and I recall well the time when someone shifted Naples to the enclaves of St. Petersburg because the prefix UA should have been IK. We are still hearing in an S9/S9 QSO 'My QTH QTH is Moscow Moscow' rather than a simple 'QTH Moscow' So often it is a case of 'I heard what

you sent but I know what you meant' Hi.

Morsum  
Magnificat



Samuel F. B. Morse  
1791-1872

For news of what's happening in the world of Morse, read "MM"! This unique bi-monthly magazine carries a wide range of articles on all aspects of Morse; past, present and future. If you like Morse, you'll like MM

By postal subscription only. Send for a sample copy £2.50 (US \$5.00 bill) or ask for further details from

**Morsum Magnificat  
The Poplars  
Winstanswick  
MARKET DRAYTON  
TF9 2BA, England  
01630-638306 or fax 01630-638051**

e-mail: [zyg@morsum.demon.co.uk](mailto:zyg@morsum.demon.co.uk)  
Home page: <http://www.morsum.demon.co.uk>

### WELL DONE GEORGE

The above is the correct address and info for Morsum Magnificat. Zyg e-mailed me to point out that I was still using the original address for C.G. Arnold so, without further ado, the original was changed. Trouble was that the original did not reside where it should have done and although the exported copy to US and New Zealand were correct, last month's EU Keynote still held the wrong information. Sorry Zyg.. put it down to advancing years and the onset of senile dementia.

### T1154 TRANSMITTER 60 YEARS

A letter to Eric (G3LPS) from Ray Coley (G3IFF) was diverted to HQ for information.

#### A NOTABLE ANNIVERSARY

*During this coming year of 2000 there occurs the 60<sup>th</sup> anniversary into service of a widely known friend.. the RAF T1154 transmitter..*

*The requirement for improved equipment was made known to the Marconi Company in October 1939. Head of aeronautical section Sir Christopher cockerell set to work with Messrs Cufflin and Brailsford of the Marconi Company at the factory of E.K. Cole, Southend.*

*Mr. Hunt, Coles chief engineer readily made available research and development facilities together with draughtsman Mr. Shackle.*

*Working late through week ends with only Christmas Day off, this combined team obtained successful trials of what became the R1155 receiver on January 1<sup>st</sup> 1940.*

*Development work and production of the first transmitter which became the T1154 was carried out at the Marconi works under Mr. George Parker.*

*The earliest mention of the T1154 in squadron service so far discovered is a signal to 230 (Flying Boat) Squadron dated 17 April 1940. This Squadron was equipped with Sunderland Flying Boats and based at Koggala on the southern coast of Ceylon (now Sri Lanka) at that time.*

*The Squadron tender was a Motor Vessel named Sung Tong, said to have W/T equipment inadequate for long range operation with the Sunderlands.*

*The purpose in offering the new T1154 was for it's use in conjunction with the existing ground transportable receiver type R1084 for improving the service from the Sung Tong. A similar combination was offered for use at the Koggala base.*

*Curiously then, the possible first use of the T1154 was afloat rather than airborne.*

*The nearest convenient day to mark the occasion of the 60<sup>th</sup> anniversary would be Sunday April 30<sup>th</sup> 2000. All are invited to come on with their T1154 senders (fragment, part or complete) during that day to communicate with each other, commemorating original operators and as a tribute to those mentioned previously who produced classic equipment with such diverse ap-*

*lication including Civil Aircraft until the early 1960<sup>s</sup>. A suitably equipped station is planned to be in operation on 3577 KHz from 0900 until late on the 30th April.*

The letter does not mention a venue so, those interested could perhaps communicate with G3IFF.

## G3TUX

### The QRP Component Company

**Stockists of Keys (Bencher, DK1WE, Jones, Kent Schurr and the Swedish pump) also agent for the Samson series of electronic keyers.  
Used keys of all types bought and sold**

**SAE/IRC for prices/data**  
PO Box 88, HASLEMERE, GU27 2RF  
Phone 01428-661501 FAX 01428-66795

### ODDS 'N ENDS

#### Change of call

Alex, UU0JN is now UT4FJ so would members please make a note of this in their listings.

#### G0VTN

The last exchange between Roy and my-self recently produced the information that the lad was having to consider a chair lift and was looking seriously at the possibilities of an electric scooter. When in a state like this, it is a blessing that he can still use the keyer but he does indeed and to very good effect. During the QSO, I expressed the hope that he would not lose his bearings and think he was at Brands Hatch but he eased my concerns somewhat by stating that he would be having a cow catcher fitted.

#### The Big Crash

Oh yes.. when the computer went down, it took with it a heck of a lot of material including some on-air notes that I had dumped into a convenient text file. This in combination with my disgraceful memory has left this particular item much leaner than it would otherwise have been.

### THE STRAWBERRY BASKET

**M0BHS.** Now there's a cack-handed tale... Mike uses a left-handed vibroplex but he is not left-handed. T'would seem he actually began that way and habits of course are oft hard to break. He wonders about the possibility of a convention somewhere - well we have tried before with little support so mayhap those who would definitely be interested could register their feelings. **G3SJE.** 'You can hardly go slower' says John referring to the 5wpm test and in view of the slow take up of 'from class 'B' licensees, wonders if access to the HF bands is really the attraction we perceive it to be. Well, I sure hope that 5wpm is not that much of a struggle John as you yourself also surmised. **G4ZGP.** Geoff is a member of a limited group of hams who possess the Capco 80cm mag loop which covers 20m through 10m including WARC bands. Speaking personally John, I never cease to be surprised at the results particularly on 12M and although regular visits to 24.9158 yield few FISTS, there is activity a-plenty. **G3KSU.** Despite a four week spell of deadlock following a hearty dose of the dreaded lurgy over the Christmas and New Year period, Alan fired up and found Esther, KA4IFF. Wonders if there are any devotees of the original Mechano construction kits within the club. After having disposed of a large collection to a 'good home' before leaving the Isle of Wight, he sometimes regrets this action and was concerned to learn that the french manufacturer had fallen on hard times and may discontinue production. LEGO he says is a joke by comparison. Now then Alan.. how many boyhood dreams have you woken here? This was real engineering if you had the wherewithall to amass all the needed bits 'n pieces. I drew the line I think at the inevitable crane with a cranked silver bar but viewed with envy the race car which, at those tender years would comfortably have accommodated me - and all built with common strips, nuts, bolts and imagination. **G0LWI.** Our Frank is full of admiration for the works of Bob, G0FRL and the bureau

suggesting that to ease the burden, inter UK cards should be sent direct. Don't think that would be received too well mate - just think of all those stamps that would be needed - and I doubt if Bob himself would concur. Provided members play their part by marking their cards clearly and sorting properly, he has things so well organised that sometimes within 12 hours of picking up the envelopes from HQ, they are in the hands of the Post Office. Now then, all I need is about €5,000 worth of second hand collating, folding and envelope stuffing machinery to say nothing of the space to mount it in. Hi. **DLIAVD**. Hi Klaus. Sometimes things go awry here especially when the milk boils over and I need to service Ivy's skate board. Joking aside though, if your Euro-cheque is reported as cashed then please let me know - stranger things than that have happened at 119! **GW4PXQ**. Good grief George... I had to don sun glasses to read that letter of yours with the multi-colour linear fill. At the time of writing, he had some 700 points to his credit towards the Diamond award and was rather dependent upon the HF bands since there are so few members active on 80 during the evenings. He notes that the US website is back on 'fists.org' though I have heard nothing of this from Nancy. **G5WW**. Paul is adamant that he will keep up his keying as long as possible but Parkinsons is catching up with him making it difficult at times to hold a pen let alone operate a key. A recent QSO with F2BT was conducted at about 5 wpm (F2BTs preference) with a COPA using a 807 and a 0-v-1 receiver. Now that's a bit of ancient kit Paul and guess it stirs a few deeply seated memories in many. **G4PDJ**. Chris favours 30m and can be found around the 10.128 mark (echoing the 7.028 we use as a milestone on 40m). As of April, he will be encouraging activity on that band with a Eurofist net on 10.128 on Sunday afternoons. During the PM, the QRG is clear and open to most of Europe and in anticipation, has reserved the call MX51PX as this call would permit A/B class ops to sign /P as net controller. Think it would be more convenient if you registered with the RA Chris. I guess the call could always be transferred if push comes to shove but in the meantime, it is one less complication to get in the way of club business. **PY4AUN**. I guess I just don't read the mail properly but I missed this one for sure. He is licensed to use the call ZV4D until April to commemorate the discovery of Brazil. QRV 40, 20, 15 and 10M. Thanks Delson and by the way, contacts with ZV4D are OK for Century provided they do not coincide with each other i.e. the same station cannot be claimed irrespective of the call you are using. Same applies of course to other members using alternative calls. **GW0EDC**, Brian will soon be out and about with his narrow boat 'Candytuft' though be warned because if he ventures into waters beyond the border twixt Wales and Cheshire, he will be dropping the 'W' from his call. Tnks fer the extra mate and I trust you will find the logging prog of help.

G0MWU, G0NKO, G0NVY, G0ONS, G0RGP, G0RWQ, G0SCP, G0SWU, G0SZE, G0TAW, G0TBD, G0TCF, G0TGU, G0TUE, G0UEE, G0UHW, G0UJD, G0UKX, G0UQF, G0VCY, G0VQA, G0VQW, G0VYR, G0VZX, G0WAS, G0WAY, G0WCB, G0WEE, G0WOP, G0WWH, G3ASG, G3AVL, G3CWW, G3GXQ, G3HNX, G3HZL, G3JRY, G3KEF, G3KFG, G3KQN, G3LFE, G3LPS, G3MWP, G3OKA, G3PNF, G3RJX, G3RZ, G3SIO, G3VQO, G3WP, G3YLL, G3ZFF, G4BNU, G4DXG, G4ETB, G4IXL, G4JNA, G4KPN, G4LHI, G4LQO, G4NBI, G4OOS, G4RBE, G4RHP, G4SSH, G4UCJ, G4USW, G4VLW, G4WEN, G4XPE, G4ZIB, G6QA, G8NT, GI0PCU, GI4SRQ, GM0DJI, GM3KHH, GM4BAE, GSWL2, GW0SGG, GW0UHV, GW0UWM, GW3VLU, GW3ZCF, GW4PXQ, GW4XQH, GX0000, HP1AC, IK2WYW, IN3NJB, JA2AJA, K0MPC, K0MT, K0OAL, K1GDH, K1QT, K1UNQ, K1ZDI, K2IUC, K2RES, K2SB, K2SWZ, K2VS, K2VT, K2YJL, K34HOS, K3AS, K3CJG, K3DEN, K3LT, K3NXP, K3NY, K3WWP, K4BX, K4CMH, K4HL, K4MF, K4ORD, K4PJO, K4PTU, K4STU, K4TW, K4UK, K4UOZ, K4VRT, K4WK, K4WZ, K4YKI, K5DMC, K5EYE, K6DF, K6HHH, K6PZE, K7FD, K7FFF, K7GT, K7IB, K7PGL, K7RON, K7RRR, K7VZ, K7WF, K7ZPE, K7ZR, K7ZYV, K8CW, K8EY, K8FN, K8HBI, K8JD, K8JV, K8LEN, K8LJG, K8OE, K8UCL, K8UGL, K9JWI, KA1DDB, KA1OX, KA1RVM, KA1STU, KA1SVX, KA2GHO, KA2KDJ, KA3CBC, KA3P, KA3UXU, KA4IFF, KA4LCM, KA7MGM, KA8OQF, KA8TQR, KA8YRV, KA8ZDL, KA9CRF, KB0PCI, KB1ALE, KB2PLW, KB2SUE, KB2SWI, KB2JUZ, KB4JR, KB4OPV, KB6RZ, KB6TAL, KB7PIM, KB7ZO, KB8KIK, KB8KRD, KB8OOM, KB8PGW, KB9NGF, KB9W, KC2AFK, KC2AIO, KC4UBC, KC4UUG, KC4VIA, KC5GXC, KC5NRB, KC5VJU, KC6DKE, KC7QGE, KC7RZA, KC7YWD, KC8BSC, KC8FXR, KC8GOJ, KD1XA, KD6RDO, KD6VMY, KD6WNN, KE1AF, KE3CR, KE3NV, KE4GBE, KE4HZM, KE4LIA, KE6OIO, KF2G, KF2TP, KF4HZH, KF4KSM, KF6DCU, KF6GUH, KG2BI, KG2LO, KG2OK, KG8DA, KG8WF, KG9HE, KG9ML, KI0HQ, KI0LL, KI4IH, KI5UK, KI8DU, KI8FL, KJ7LB, KJ7OX, KK5IB, KK7BL, KK7NB, KK8B, KL0KW, KN2GSJ, KN4NO, KO6QZ, KO6TQ, KP4DJ, KQ6ES, KQ6NS, KQ6YV, KR3C, KR4YS, KS4DU, KS4TD, KS4UV, KS7J, KT4QD, LA1IE, LY3BY, LZ1JZ, M0AGO, M0ANL, M0ASN, M0AVW, M0AWN, M0AXJ, M0BEV, M0BHS, M0BLV, M0BOS, M0BTG, M0CET, N0BZM, N0GI, N0NJK, N0OB, N0UR, N0ZNC, N1DNM, N1NM, N1PT, N1PVP, N1TP, N1VWD, N1WL, N1WLC, N1YLA, N1YUK, N1YXU, N2FX, N2SLB, N2SV, N2WCY, N2WF, N2WJ, N2ZHF, N2ZHF, N3AO, N3CEU, N3LBC, N3NY, N3PM, N3RSD, N3XT, N3ZGZ, N3ZOC, N4GD, N4GM, N4KN, N4OT, N4UY, N4VEF, N4ZMP, N4ZZZ, N5DCF, N5KY, N5LF, N5OE, N5SAN, N5UC, N5VC, N5VC, N6FE, N6IV, N6RNP, N6WU, N6XR, N6ZKT, N7CFA, N7ELV, N7IF, N7XNH, N7XV, N8FF, N8FL, N8JTW, N8NLE, N8UD, N8UGV, N8UJZ, N8WXP, N8WYO, N9BOR, N9LGP, N9TA, NB2T, NC5S, NC9T, NE4Z, NO1BT, NP3K, NP4FW, NS2G, NS2J, NS2H, NS3E, NT8X, NW3N, OH8US, ON6ZJ, OZ1EUO, OZ7KDJ, OZ9WU, PA3AFF, PY2DBU, SM4ASI, SP3DG, SP6JOE, V1DL, UA4AQO, U00JN, V21CW, VA3JEG, VA3JJ, VA3JPM, VA3KEW, VA3SYQ, VA3UU, VE1BBW, VE1MT, VE1VEI, VE1ZAC, VE2ENB, VE3BBW, VE3DCS, VE3DFV, VE3FMC, VE3KLM, VE3MIQ, VE3MPQ, VE3SO, VE4GEC, VE5HQ, VE5RD, VE6ARG, VE6KJL, VE6ZAA, VE7BPN, VE7CRO, VE7RGX, VE7YMM, VY2RB, W0AAU, W0CGR, W0GV, W0LHU, W0UFO, W0VHV, W1BFN, W1EPZ, W1FHP, W1XU, W2BJ, W2BWQ, W2GR, W2HDW, W2JSF, W2NGB, W2NTS, W2YQV, W3DCN, W3DP, W3EMB, W3ERU, W3JIM, W3NGO, W3RMD, W4BX, W4DON, W4EEX, W4GEO, W4GTM, W4IUI, W4JCH, W4KFB, W4LVP, W4MA, W4NPL, W4OGZ, W4PBL, W4RMM, W4ZCR, W5HQL, W5NQ, W5RPP, W5USU, W5WWW, W5ZF, W5ZR, W5ZZM, W6DDB, W6DDB, W6GG, W6JEP, W6JUS, W6STU, W6WOW, W7BWI, W7DAZ, W7EAI, W7GB, W7LPF, W7VW, W7ZZZ, W8BL, W8DO, W8EQA, W8FAX, W8FDV, W8III, W8LFJ, W8WEN, W8YBO, W9BOK, W9BYH, W9FRC, W9ISU, W9LUI, W9MYZ, W9NT, W9YQ, W9YYG, WA0FGV, WA1GAG, WA2BQI, WA2OVT, WA2VQV, WA3OTC, WA3PTY, WA3WNK, WA3WSJ, WA4CX, WA4KQL, WA4LDQ, WA5KOI, WA5UFH, WA6RCH, WA6RND, WA7YYY, WA8BIJ, WA9PWP, WB0B, WB0YPO, WB2EXI, WB2FXK, WB2HEK, WB2UEC, WB2YAF, WB8FSV, WB8OZX, WD0GXI, WD0HBW, WD4MSM, WD6CKT, WD8OCV, WE6V, WF6W, WG6M, WK3P, WL7CDC, WL7CKX, WN2DX, WN4BOT, WN6HYX, WO8E, WP2T, WP4LNY, WS0L, WW5XX, WX7M, XE2AUB, YO4NF, ZL1BIQ, ZL1BSG, ZL1MRX, ZL2AOH,

## G4ZPY

KEYS AND PADDLES

All items hand-crafted with the skill of a trained engineer. Also miniature versions which are much acclaimed throughout the world.

SAE/IRC TO:

41 Mill Dam Lane, Burscough, ORMSKIRK, L40 7TG  
Tel: 01704-884299

### CC HOLDERS

Below is a sorted list of CC holders as of mid February. You will appreciate that this list changes daily but for those on the web, updates are posted two or three times per month.

8P6AZ, AA0KJ, AA0RI, AA0VF, AA0WZ, AALHV, AA1KF, AA1NZ, AA1SU, AA2NL, AA2SM, AA2YK, AA3LM, AA3RC, AA3RL, AA5EA, AA8BJ, AA8YO, AA9BO, AA9KH, AA9KH, AA9LS, AB2AU, AB2CE, AB5EQ, AB5YY, AB5ZD, AB7ZL, AC4DT, AC4NW, AC4W, AC4ZH, AC5BG, AC5JH, AC5NL, AC5P, AC6QO, AC6TO, AD4OS, AD6AG, AD8L, ADUI, AE2L, AE4AI, AE4AZ, AE4JG, AE4NW, AE4P, AE4QS, AE4VT, AF4BA, AF4BD, AF4NW, AF5Z, AF9H, AH7R, AI9L, DE0DXM, DF9YK, DJ0GD, DJ3RE, DL1CC, DL2JAW, DL3BZZ, EA1APA, EI2IH, EI5FY, F5JUD, F5NIP, G0ANV, G0BXV, G0EML, G0ENV, G0EUV, G0FIP, G0FOD, G0FRL, G0FVS, G0GGU, G0HGA, G0HIS, G0IJE, G0ILN, G0IYZ, G0JWB, G0LJB, G0MGD, G0MRH,

### FINALE

Sri for the tight squeeze folks but this list is getting gynomous. 78/88 es stay sober de Geo