

International Morse Preservation Society
FISTS
East Asia Chapter



morsEAsia

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FISTS EA Newsletter # 10
Editor; JJ8KGZ / Leo H Tsukada E-mail; jj8kgz@fists-ea.org



<http://www.feacw.net/>
<http://www.fists-ea.org/>

From the Editor's Desk

Leo H Tsukada / JJ8KGZ

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Dear FISTS,

I would like to pray sincerely for the repose of G3ZQS / Geo's soul who has passed away on April 25 and we have no words to express our thanks to him because this development of FISTS would not have been possible without his effort.. When I joined FISTS, there was not any accounting system which we have these days, such as Paypal, so I had to send him some green stamps to enroll. He directly contacted me and sent me the certificate of the membership. I've never worked with him on the air but I am sure that we were united in our common interest of morse and wanted to preserve it and pass it down to the next generation. Thank you very much, Geo.

May his soul sleep in peace.

CU on the air. 73 de JJ8KGZ/Leo # 4843

In this issue, you can see some messages of FISTS EA members.

Exciting QRP QSOs

By UK/JI2MED, Manabu Shimoyashiro #15020

Dear all CW enthusiasts!

I'm sure some of FISTS member have a certain understanding for QRP activity. This time I'd like to share one of the most exciting 2-way QRP QSO in my ham life with one CW freak in Japan. He is Shin-san, JP6VCH. Very active on CW with low power, enjoying in portable style operation by bicycle. We had a wonderful chat on 16 April 2006 on 15m, then Shin-san sent me his message after the QSO. You may find what the radio makes us. Enjoy!

de UK/JI2MED, Manabu in Tashkent, Uzbekistan

(Quote)

Manabu san.

Tks for the wonderful QSO on Sunday this week. Also tks for writing abt me on your Blog. I was informed of this Blog by my friends JL3AMK Harry, and JR9OPJ Kyo. Well, first, let me tell you why I was at the beach that day. These days, I have been doing experiments with my fishing rod antenna. I had found the performance on 7/10/14 bands was great, but was curious to know how it would work on the 15 m band. So, that day, late afternoon, I drove my bike to beach, abt 10 kilo meters from my home. I set up a 4.5-meter-long fishing rod, switched my K1 on, and turned the dial thru the band. I heard some YZ stations calling "CQ TEST", and thought the band was somewhat open between Eastern Europe and Japan. They were not very strong, but deep in mind, I had an anticipation that I might get a big one. Even though I get nothing, it' OK, I thought. No need for many QSOs. It only means I need to write many QSL cards, Hi Hi.



I would be happy if I could confirm one QSO. I flipped a can of beer out of the bag and started calling CQ. The setting sun was extremely beautiful. The deep blue of the sea was getting deeper, almost looking like the Royal Blue. It created a distinct contrast with the orange red of the setting sun. Light pink tinted white clouds floating above the horizon. The sky was still light blue. Changing colors... Nobody around me, as if I were alone on this tiny globe, floating and spinning in the space. When I was just about to take out a digital camera, I heard someone calling my callsign. His 579 to 599 with QSB, enough strong to copy. "Oh, it sounds like DX but must be one of the UA0 stations to say hello to me", I thought. However, I heard an unfamiliar callsign, followed by the "/QRP". What a surprise! Yes, it was you, Manabu san, calling me with K2 running 5 watts into your excellent 2ele Quad. Your words such as "amazing" assured me at once that we could chat CW in English. What a happiness we can enjoy DX QSO in QRP! The CONDX kept stable during the 14 minutes. I copied you 100 percent, obviously showing what I told you reached you 100 percent too. Although I didn't tell you that time, Manabu san, I was also enjoying beer, Hi Hi. It had become dark when we said GBs and finished the QSO. You know how happy I was riding back home. Well, thank you again, Manabu san, it was really one of the greatest QSOs in my 43 yrs ham life. I wish you GL, DX and happiness.

CUL VY SN. 72s de Shin: jp6vch/bicycle/qrp



Shin-san,

Very much appreciated for your message. Reading it, I realize the previous QSO was very precious one for two of us. Still cannot believe you worked with K1 running 3 watts only into fishing rod whip. Your description on the landscape by continuous wave coming through over 6,000km was totally enough to make me imagine how it was beautiful beach where you moved up by bicycle. And now it has fixed as a grand picture in mind completely.

I want to share this wonderful experience with another CW freak as much as possible. So I'd be very happy if you would allow me to introduce our QSO with your comments on the news bulletin of FISTS. Surely it gives many CW enthusiasts a great impression.

Also want to try to operate in mobile or pedestrian style like you, Shin-san, with my new gear KX1 which is very compact but reliable partner, I'm sure. It must be a lot of fun to operate in the field breathing fresh air and taking some beer! So thank you again for unforgettable QSO and looking forward to seeing you again soon.

72 de UK/JI2MED, Manabu

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FISTS SPRING SPRINT

BY JK7UST, Sugi #7178

LOG

WB0PYF	599 MO RAY	K7FFF	599 CA DAN	K7NM	599 UT LEE
K8CI	599 OH DICK	W7RCK	599 OR ROCK		

I enjoyed talking with NA fists members. But I found it was a little difficult. I was not able to take the long time. Because Japan was midnight and I was so sleepy. K7FFF/Dan said that I was a 1st. DX station. And another station said I was a 1st. DX station, too. I think The Spring SPRINT should run from 1700 UTC to 2359 or 2459 UTC on Second Saturday in May. If the time of the SPRINT is long enough, other stations of Fists East Asia will be able to take part in it.

Let's enjoy SPRINT!

JK7UST/Sugi

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Cores for choking the notorious common-mode currents

By Kenji Rikitake, JJ1BDX (FISTS #8962)

Recent study shows that the common-mode current is the primary source of evil such as RF interference problems or unwanted generation of RF noises.

My wife Kyoko always laughs when I tell her about how many "cores" I've been using and installing for my ham radio system. She calls me I'm a core-man. And I'm very much proud of it, because those ferrite cores not only protects me from RF burns but also ensures the stability of the whole transceiver system.

My apartment room and the antenna feed point has less than three- or four-meter distance. It is rather like a mobile shack than a house shack. So you've got to be very careful on not making the feed lines or control lines into unwanted pieces of literally parasitic antenna elements.



Picture 1: my system of ICOM IC-706mkIIG, Idiom Press SCAF-1 audio filter, and ALINCO DM-330MV power supply as of May 2006.



Picture 2: ICOM AH-4, with a control cable of 10 clamp cores shielded by white vinyl tape and wound on a thick triangular stick of 3 ferrite bars, and a 3D-2V (almost equivalent to RG-58/u) feeding coax with 4clamp cores, 10 turns wound on an FT-240-43 troidal core, and another 10 turns wound on an FT-240-61 troidal core.

Picture 1 shows my system which I've been using since June 2002. While it's not specifically RF-grounded, all lines are RF-decoupled by at least one ferrite core.

Mitsuru Haraoka, JJ1VKL, has been written a lot of good articles in Japanese on his expertise to fight against RF interferences with ferrite cores. (Use Google with the keyword "JJ1VKL" to search for his Web page in Japanese.) He concludes that large pieces of troidal cores are good for RF coax feed lines to shield the magnetic fields inside, and that ferrite bars and clamp cores are also very effective on non-RF connecting lines such as those for audio signals and control signals. Mitsuru also suggests to use a stick of combined ferrite bars for an open-wire feed, though you need to be very careful for the leakage flux because the ferrite bars are open-ended. In general, Amidon's #43 material is good for absorbing unwanted HF energy, while the #61 material is also good for HF/VHF bands.

Recently I've changed my antenna system from the single-band vertical dipole to an arbitrary length of vertical radiation element and a bunch of counterpoise wires with an external antenna tuner at the feed point. I had to reinstall the whole cables with the cores again.

Picture 2 shows the ferrite cores I attached on the ICOM AH-4 external tuner, which can handle up to 100W and works quite effectively from the 80m to 6m bands. I once experienced some TVI on my PC coming through the VGA input to the monitor when I was operating on the 80m which could not be eliminated, so I decided to reinstall with as many cores I could to have enough common-mode inductance/impedance to block the feeding coaxial cable and the control cable of 4 wires from becoming an antenna itself.

The length of the cable between the outgoing point and the transceiver system is about 2 to 3 meters, so I have again installed the cores right after the RF output of the IC-706mkIIG and the control cable connector for the AH-4, as shown in Picture 4. These cores will ensure that common-mode current is minimized as near as possible from the transceiver chassis.

Another rule of thumb is that *all* lines in and out of the each of the components of the transceiver system should be protected by a common-mode filter of sufficient inductance/impedance. So I put as many core as possible to the DC power line of IC-706mkIIG, AC power line of DM-330MV, keying line, audio connection between the IC-706mkIIG and SCAF-1, line from the control panel of the IC-706mkIIG, etc., etc.

I should also confess that I have invested not a small amount of money for purchasing those ferrite cores; some of them are of second-hand purchase, especially for those clamp cores which are relatively expensive due to the reusable covers. Preparing and winding the cables to the cores are surely a hard task. Some of those had to be imported. I recommend CWS Bytemark for getting the good deals for the all sort ofcores.



Picture 3: ICOM AH-4's cables at the entry point of my room, with a 3D-2V coax of 10 turns wound on an FT-240-61, and a control cable of 7 turns wound on a triangular stick of 3 ferrite bars. The distance between the entry point and the AH-4 is about 4 to 5 meters, which consists of the height of the balcony wall and the ground. This length is quite adequate to resonate HF high band frequencies, so I have added another pieces of cores as shown in Picture 3 at the outdoor-side of the entry point.



Picture 4: The output feed line of ICOM IC-706mkIIIG is connected to a common-mode filter using an FT-240-43 with 10-turn wound of the 3D-2V feed line.



Picture 5: Almost all outputs and inputs of IC-706mkIIIG, SCAF-1, and DM-330MV are protected by a common-mode filter of clamp cores, toroidal cores, or ferrite bars.

CWS Bytemark's Web page: <http://www.cwsbytemark.com/> I've been doing quite well with this system at home, running 100W from 3.5 to 50MHz. Remember that you need *even more cores* if you want to run a system with kilowatt-class amplifiers. Your mileage may vary.

73
Kenji Rikitake, JJ1BDX, JO3FUO, es K1BDX

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FISTS EA Most Active Ragchewer in 2006

Last Update: 2006 Jun 18

Rank	Call	Name	Point	Comment	Reporting date (Y/M/D)
1	JO3HPM	Nao	131	40 FEA NET. 49 FISTS QSO. My longest chat time is 150 min with JL8MIL(Jun).	2006/6/18
2	JJ8KGZ	Leo	103	Enjoyed some DX QSOs. But rarely meet FISTS NA members.	2006/4/13
3	UK/JI2MED	Manabu	57	One HB9 stn said in our QSO on 30 May 2006 on 30m that he had a little snow in his location with 3c only! Also said being high is not only the attitude but tax as well in HB9 land.	2006/6/6
4	JE1TRV	Atsu	43	Have fun !	2006/4/14
5	JG0MWU	Ken	32	May.06 YB6/G3VBS 15m ABT IT SEEMS BAND CLOSING ES NAGANO CITY May.07 JG3RKM 40m ABT HIS GUD KEYING WID OLD KEY HK-1Z May.13 JQ6JWL 15m ABT OUR 4BAND QSO ES WX VY COOL May.25 JO3HPM 40M ABT OUR CARS ES MY NEW JOB AND SO ON	2006/6/3
6	JK7UST	Sugi	13	3 FISTS Member	2006/2/4

FISTS EA Activities

Suggested Calling Frequencies

You can find FISTS members on/near following recommended calling frequencies.
QSO's should be QSY'd another frequency.

FISTS	160m	80m	40m	30m	20m	17m	15m	12m	10m	6m	2m
East Asia	-	-	-	10.118 10.138 (*1)	14.058	18.085	21.058	24.918	28.058 28.158 (*2)	-	-
HQ/Europe	-	3.558	7.028	-	14.058	-	21.058	-	28.058	-	-
North America	1.808	3.558 3.708	7.028 7.058 7.118	10.118	14.058	18.085	21.058 21.158	24.918	28.058 28.158	50.058	144.058
Down Under	1.808	3.528	7.028	10.118	14.058	18.085	21.058 21.158	24.918	28.058 28.158	-	-
QRP calling freqs (*3)	-	-	-	10.106 10.116	14.060	18.086 18.096	21.060 21.110	24.906 24.910	28.060 28.110	-	-

(*1) BV [Taiwan] stations are allowed to use 10.130 to 10.150.

(*2) BV [Taiwan] stations are allowed to use above 28.100.

(*3) International QRP calling frequencies are neighborhood.

FISTS EA NET Result

No.	Date (Y/M/D)	Time (UTC)	Freq. (MHz)	Controller	Participant
78-2	2006/6/18	0800-0830	14.0535	JO3HPM(Nao)	None
78-1	2006/6/17	2300-2415	7.0275	JO3HPM(Nao)	JG0SXC(Man)
77-2	2006/6/11	0800-0900	14.055	JO3HPM(Nao)	JG0SXC(Man), VR2DL(Tat)
77-1	2006/6/10	2300-2420	7.027	JO3HPM(Nao)	JK7UST(Sugi), JG0SXC(Man), JF3KNW(Nobu)
76-2	2006/6/4	0800-	14.057	JG0SCX(Man)	JE1TRV(Atsu), JF3KNW(Nobu)
76-1	2006/6/3	2300-2340	7.025	JJ8KGZ(Leo)	JK7UST(Sugi), JO3HPM(Nao), JE1TRV(Atsu), JG0SXC(Man)
75-2	2006/5/28	0800-0900	14.054	JO3HPM(Nao)	VR2DL(Tat), BX2AH(Chen)
75-1	2006/5/27	2300-2415	18.084	JE7YTQ(Sugi)	JE1TRV(Atsu), JG0SXC(Man), JO3HPM(Nao)
74-2	2006/5/21	0800-0900	14.054	JO3HPM(Nao)	JL8MIL(Jun), VR2AJ(Mak)
74-1	2006/5/20	2300-2340	7.026	JJ8KGZ(Leo)	JE1TRV(Atsu), JG0SXC(Man)
73-2	2006/5/14	0800-0900	14.0545	JO3HPM(Nao)	JL8MIL(Jun), BX2AH(Chen)
73-1	2006/5/13	2300-0015	7.026	JE7YTQ(sugi)	JE1TRV(Atsu), JJ8KGZ(Leo), JA8UUM(Masa), JO3HPM(Nao)
72-2	2006/5/07	0800-0850	14.0545	JO3HPM(Nao)	VR2GM(Liu)
72-1	2006/5/06	2300-0040	7.0265	JJ8KGZ(Leo)	JO3HPM(Nao), JG0SXC(Man), JK7UST(Sugi)
71-2	2006/4/30	0800-0900	14.054	JO3HPM(Nao)	VR2DL(Tat), BX2AH(Chen)
71-1	2006/4/29	2300-0010	7.0255	JE7YTQ(Sugi)	JJ8KGZ(Leo), JG0SXC(Man), JO3HPM(Nao)
70-2	2006/4/23	0845-0900	14.054	JO3HPM(Nao)	VK4TJ(John)
70-1	2006/4/22	2300-0030	7.0265	JJ8KGZ(Leo)	JE1TRV(Atsu), JO3HPM(Nao), JK7UST(Sugi), JG0SXC(Man), JR0QWW/0(Taro)
69-2	2006/4/16	0800-0840	14.0545	JO3HPM(Nao)	VR2DL(Tat), JK7UST(Sugi)

FISTS East Asia CW Net

We have informal CW sessions for ANYONE who wants to practice English QSO.

When	on Sundays @ East Asia
Part I	between 7.025MHz and 7.030MHz, sometimes between 18.080MHz and 18.085MHz, or around 10.138MHz
	starting 2300UTC on Saturdays (0700 Taiwan/Singapore Time, 0800 JST on Sundays)
Part II	between 14.050MHz and 14.055MHz sometimes between 18.080MHz and 18.085MHz, or around 10.138MHz
	starting 0800UTC on Sundays (1600 Taiwan/Singapore Time, 1700 JST on Sundays)
Speed	12WPM to 15WPM
Controlled by	Nao, JO3HPM, Sugi, JK7UST/JE7YTQ, and Chen, BX2AH
Managed by	Nao, JO3HPM
Any other announcements	might be posted to the FEA English BBS.