

The KeyNote



Newsletter of the Americas Chapter, FISTS CW Club—The International Morse Preservation Society
Issue 1, 2025

Hunter-Gatherer Behavior and CW Contesting

Bryan Bergeron

With pencils sharpened, pads of lined paper at the ready, keyer under hand, and all of the electronics and antennas tuned to perfection, I watch the clock in anticipation of the contest start. Then the flurry begins. Time melts away, chasing one contact after another. In the zone, at times copying Morse code in almost impossible signal/noise conditions. And then, almost suddenly, hours have past and the hunt is over. I gather up my pads of contacts and head to my laptop for logging and validation. Success!

Like me, you've probably gone through this process dozens if not hundreds of times. And it never seems to get old. There's clearly something in our shared DNA that puts a large reward on a successful hunt, beyond the obvious score/awards. More direct activities, such as hunting

and fishing provide the same sense of reward, with obvious direct life support for families and relatives of the successful hunter.

Like hunters of old, we have developed survival skills that increase the odds of a successful hunt. Better receivers. Better antenna designs. Better locations. Better operator skills. Better keyer hardware. And, above all, a greater commitment to bring home the bacon.

I say go with it. There is no need to mollify your DNA-driven approach or your plan. Good luck with your next contest.

73, Bryan, NU1N



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INFORMATION PAGE

When you have a question about FISTS, go to the source for the correct answer. Posting a question on a chat room or email reflector may yield the answer, but your best bet is to ask a FISTS volunteer or look in the reference issue. Several volunteer contacts and/or email addresses have changed from the last reference issue of *The KeyNote*. Please make note of the following listings.

When emailing a volunteer please put the word FISTS in the title of your email. This will help the volunteer recognize that your email is important and not spam.

Awards and Certificates

Dennis Franklin, K6DF, awards@fistsna.org
4658 Capitan Dr., Fremont, CA 94536-5448

Club Call, KN0WCW

“Vacant”

If interested email to:

Joe Falcone, N8TI, store@fistsna.org

Membership Questions; Renewals; Call Changes; Name, Mailing, and Email Address Changes

Dennis Franklin, K6DF, membership@fistsna.org
4658 Capitan Dr., Fremont, CA 94536-5448

FISTS Store Manager

Joe Falcone, N8TI, store@fistsna.org
9880 Musch Road, Brighton, MI 48116-8215

Activities Manager

“Vacant”

If interested email to:

Joe Falcone, N8TI, store@fistsna.org

Website Changes (including getting your personal or club web page linked)

Dennis Franklin, K6DF, webmaster@fistsna.org
4658 Capitan Dr., Fremont, CA 94536-5448

Code Buddy Volunteers and Buddies

<http://www.fistsna.org/codebuddy.php>

FISTS Sprints

Ashley Lambe, KX4ASH

E-logs to sprintlogs@fistsna.org

Mail Logs to: FISTS Sprint Logs

4305 Roundwood Ct.

Indian Trail, NC 28079-6793

The KeyNote Newsletter

Bryan Bergeron, NU1N, keynote@fistsna.org

We need articles and reviews for *The KeyNote*!

NOTE: Image files need to be high resolution JPGs (at least 1000 pixels wide).

Send your Word or text files to
keynote@fistsna.org

The KeyNote

The Newsletter of the Americas Chapter of FISTS

Issue 1, 2025

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Send articles to:

keynote@fistsna.org

Production: Sandra Lindemann

President's message

By Joe Falcone, N8TI

I decided to fix up my ham shack a few weeks ago. We moved in this house 25 years ago in April 2000 and I had disassembled my shack at my old residence, but never put it back together at the new place. Therefore, I figured that 25 years was way, way too long to be without some of my good friends/radios, and started to hook up the radios that had been sitting there for years.

The first thing I did was put up a new antenna. I have a tower that I was using for a dipole. I decided to go with a random wire antenna. A "random wire" antenna is not "random" at all. A random wire antenna is an antenna that is not resonant on any ham band. For example, 29.5, 41 or 84 feet of wire are common lengths for random wire antennas. That is not a half wave or a multiple half wave of any ham band. You need an antenna tuner to make these work, as by their nature, a random wire antenna is not resonant anywhere you would transmit as a ham. Normally, the internal antenna tuner that comes in a typical ham radio will tune up random wires nicely, but sometimes you may need an external tuner that can tune 5:1 or more.

I made my random wire 148 feet (more or less), long. That fits between the 144 and 152 foot lengths of wire that are resonant on one or more ham bands. If you type in "random wire antenna" into Google, you will run across

a chart that shows you the antenna lengths you want to avoid as well as "safe" lengths.

The random wire was connected to a 9:1 unun to reduce the wire's impedance to something tunable, then to my LDG antenna tuner. After fooling with the length of the counterpoise as well as grounding the rigs to the cold water pipes and making sure that the feedline had sufficient Ferrite beads on the coax before it entered the house, thus choking off any RF coming down the outside of the coax shield, I finally got the antenna working to my liking.

Next, I wanted to hook up my vintage radios. I have an Yeasu FT-101 that I had bought new in the box from a store in California about 30 years ago, a Kenwood TS 520, that I had picked up about 15 years ago and a TS-820 that I got about five years ago. These radios had been used to make sure they worked, but never permanently installed in the Ham Shack. I got out the Alpha Delta coax switches that I had bought a few years ago off eBay, stuck them to the wall with 3M two-sided sticky tape and hooked all the radios into the antenna. I then ran external speakers for each rig using Motorola police car speakers, again, from eBay. These still go for about \$25 each and I like that they are sensitive to the frequencies used for voice communications and naturally cut out the high frequency static.

When I hooked up these old "hybrid" radios, (transistors for receive and tubes for transmitting), I was surprised at just how well

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FISTS AWARDS

By Dennis K6DF

Congratulations to all who earned operating awards from Nov 16, 2024 to Feb 16, 2025.

Award certificates are available, from the Members Area of the Americas Chapter website, for members to download to their own computer for printing. A list of awards issued to your call/member-number is available in the Members Area. FISTS members may log into the Members Area from the following web page:

<https://fistsna.org/memlogin.php>

New Members can earn a free FISTS Club Key Patch during the first year of their membership for making their first 10-minute CW QSO with any FISTS member on any band. Be sure to get on the air and make your first 10-minute QSO with a FISTS member to earn your free KEY Patch!

New Member Patches Earned:

KE8QFO Dave—QSO with N5QLZ
AI5BE Tim—QSO with N9FGC
KD5ZZU Mallory—QSO with N1DUC
N1DUC Junie—QSO with KD5ZZU
KJ5HRI Katrina—QSO with AI5BE
KT4IV Ed—QSO with AE4GS

We have a list of new members shown elsewhere in this issue of the *Keynote*. Please listen for them on the bands and help them to earn their FISTS Key Patch!

Award certificates are available free to all club members, in PDF format, so get out your favorite key and get on the air. You can also use the free “Log Converter” program to track your club awards, it’s also a good general logging program as well. The author of Log Converter, Graham G3ZOD, is constantly providing updates and

improvements to the program. **This program was last updated on Feb 16, 2025 to version 4.8.4. If you are using a version older than this please update your program as older versions will not work properly due to recent server updates.** This FREE software will track your FISTS awards automatically and allow you to send in your award logs to the FISTS Awards Manager at the click of a button! The best thing about it is ... it’s FREE! Log Converter is available for download on the Americas Chapter web site. Look for the download link on the main web page just below the “Welcome New Members” list.

Be sure to check the Americas Chapter web pages for updated awards information and how to apply for them:

<https://www.fistsna.org/awards.html>

If you have any award questions or suggestions, send e-mail to me at:

awards@fistsna.org

I wish you good DX during 2025.

73, Dennis K6DF ..._. _____ (30)

FISTS AWARDS ISSUED:

Nov 16, 2024–Feb 16, 2025

Basic Century: KF9LI, G0JHK, OK1LO, GM5TDX

Silver Century: KF9IL

Gold Century: KF9IL

Millionaire Award: KF9IL, G0JHK, OK1LO, GM5TDX

2 Million Award: KF9IL, G0JHK, DL3GJ

3 Million Award: KF9IL

4 Million Award: KF9IL, G0BON

5, 6, 7, 8, 9, 10 Million Award: KF9IL

11 Million Award: KF9IL, W8SCS

12 Million Award: IU0HMB, W8SCS

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President's message (continued)

they received. They do not have narrow filters, but your mind can filter out adjacent signals.

Finally, I hooked up my T-784 transmitter. This is part of the U.S. Army surplus GCR-109 radio set. These radios were made from 1960 to 1964 and were used by Special Forces in Vietnam up into the 1970s. They are tube radios and are enclosed in waterproof heavy aluminum cases. As they are CW only radios, they even have their own key on the transmitter itself. The transmitter puts out about 12 watts and will load up anything.

The receiver I used for the T-784 is an Army surplus R-392, which is the mobile model of the famous R-390 made by Collins, or at least designed by Collins, as there were several manufacturers of that radio. The R-392 runs on 24 volts, while the T-784 needs its own power supply, which I have. I bought three of these GCR 109 sets when Fair Radio was selling them about 20 years ago. They were copies of the spy radios that the CIA used post WWII. If you look up the radios on N6CC's website (n6cc.com), he gives a good history of the radio as well as American PT boats in the Vietnam era. He was an PT boat crewman back in the day.

The T-784 does not have a relay to mute the receiver when transmitting, so I use a Heathkit HB 1234 coax switch to switch antennas between the two radios. The HB-1234 grounds out the unused ports when in use, so that helped to keep the R-392 from getting overloaded when the T-784 was transmitting.

I powered up the T-784 and R-392 and they worked perfectly. The output on the T-784 is about 12 watts, but according to the Reverse Beacon Network, I was hitting Germany on 40 meters and practically everywhere in the U.S. Of course, the T-784 is crystal controlled, so I only have three 40 meter crystals and a few 20 meter ones, but that does not appear to be a problem when you call CQ.

I still have my Hallicrafters SX-101 and HT-32 to hook up. These are real boat anchors, and somehow they gained weight during the last 25 years. I will need help moving them to make up the necessary hookups. These will be hooked up to my Hallicrafters HT-45 Loudenboomer with its single 3-400Z transmitter tube. (How could you not love an amplifier with the name of "Loudenboomer?") This amp puts out about 500 watts.

Then there are the SB220 amps that I have. I have two of them. I forgot why I have two. One of them will go in line with my FT 1000D. The SB220 put out 1500 watts easily with its dual 3-500Z tubes. I am trying to remember all the hookups on the amps and I am studying the manuals, as when you are dealing with amplifiers, you have to be very careful because of the high voltage.

Finally, I just got a Xiegu (say "Shy-goo"), G-90, a neat little Chinese-made 20 watt radio. These \$450 radios work very well and are great for portable operations. They operate on all the HF bands and modes. They are Software Defined Radios where the signal processing is done with a computer instead of the normal dedicated hardware components for filtering, mixing and modulating signals. This radio is a lot of fun and the 20 watt output makes operating fun. Once again, the Reverse Beacon Network shows that my signal gets out there. The Xiegu G-90 has about the best automatic antenna tuner ever made. It tunes 10:1 SWR antennas without a problem.

The point to all of this is that now I have almost all the radios ready to go by turning a couple of antenna switches. The coax cables and power cords are all tied to the shelving units and desk with zip ties. I like calling CQ on the old radios and reading the signals through 2000 or 3000 Hz filters. It brings you back when radios were not more computers in a radio box. The Xiegu, even though it is a computerized radio, reminds me that you don't need to spend a ton of

(continued on page 9)

WELCOME NEW FISTS AMERICAS CHAPTER MEMBERS

Call	FISTS#	First Name	S/P/C	Call	FISTS#	First Name	S/P/C
KM4CAJ	22800	Andrew	GA	NQ9Z	22840	Skylar	WI
KC4IGO	22801	Lee	GA	K4CGK	22841	Chris	TX
VA4BDK	22802	Brad	MB	K3RGM	22842	Reggie	AZ
KB2GKC	22803	John	NY	N4XCE	22843	David	AL
N2JIE	22804	Tom	NJ	KB3CEB	22844	Bear	FL
N9RJR	22805	Eric	MI	KO6HDT	22845	Alberto	CA
VA7AGH	22806	Adrian	BC	KI7QCF	22846	Forrest	UT
KF7JCF	22807	Kyle	ID	W1TFC	22847	Steve	VT
KB1HYS	22808	Ed	NH	K8FAM	22848	Jon	WV
K8AC	22809	Floyd	NC	WD9K	22849	Patrick	WI
W8UY	22810	Terry	OH	W1WDH	22850	Billy	GA
WN8KXY	22811	Bill	WV	N3GGT	22851	Ronald	PA
N0DPR	22812	Brad	MO	W0RMX	22852	Marty	VA
N5DWG	22813	Dennis	TX	W5SMN	22853	Jim	MS
K2ZMM	22814	Russ	NJ	N4LDB	22854	Lance	SD
KC4BFD	22815	Frank	MA	KE1TLG	22855	Tony	OH
N3UTM	22816	Sam	FL	W2CIH	22856	Chris	GA
VE3KJQ	22817	Patrick	ON	KB7MGC	22857	Gerard	CA
WR4Y	22818	Phil	NC	W7DZ	22858	Tim	WA
N9PKL	22819	James	IN	KG4FXL	22859	Bryan	AL
N1DUC	22820	Junie	MS	KG2RG	22860	Justin	NY
KI5JUF	22821	Steven	TX	ND4P	22861	Bob	TN
KQ3Q	22822	Lidi	FL	KJ5HRI	22862	Katrina	MS
W4HEA	22823	Calvin	AL	N5KMZ	22863	Gary	OK
NC4MT	22824	Marcia	NC	N7AGP	22864	Bob	MT
VY1PG	22825	Paul	DX	KQ2R	22865	Randy	NY
AD2JG	22826	Neil	NY	KK4NOW	22866	Robert	NC
KJ5IGQ	22827	Dexter	TX	KN6UDK	22867	Bill	CA
K5SOP	22828	Jerry	TX	WB7UOF	22868	Walt	AZ
WA2MIS	22829	Gary	FL	AC1AE	22869	Walter	ME
KW7AT	22830	Andy	MT	WA6DWH	22875	Dave	CA
AE4JM	22831	Matt	AL	W3CT	22876	Jack	PA
K5MPH	22832	Michael	TX	KF0KDI	22877	Ben	NE
VA3ICC	22833	Ian	ON	KT4IV	22878	Ed	TN
KQ4ZPJ	22834	David	VA	KM4KY	22879	Mike	NC
N4MDG	22835	Mike	AL	KO8A	22880	Greg	OH
VY1KX	22836	Allen	YT	K0DCR	22881	Dennis	CO
KO6FAD	22837	Dave	CA	WJ4M	22882	Jim	TX
KC1VAS	22838	Jim	MA				
NO8Z	22839	Erik	OH				

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New Members (continued)

Call	FISTS#	First Name	S/P/C
AA7VA	22883	Bart	UT
KK4CUA	22884	Tom	TN
KD2OZW	22885	Ryan	NJ
W8AJV	22886	A.J.	OH
KQ4LEA	22887	Rich	AL
K5VQU	22888	Rick	WA
WI2T	22889	Terry	WI
K0AOR	22890	Doug	KS
K6VCI	22891	Mike	CA
KN6QWP	22892	Ben	CA
K0TER	22893	Mike	CO
W1CIE	22894	Rick	CT
KB1MKL	22895	Brooke	CT
N4WRE	22896	Marty	NC
W4EMW	22897	Ed	GA

Silent Key List

Call	FISTS#	First Name	S/P/C
N1FPG	1217	Steve	ME
N1MHC	1272	Al	ME
KB2BOY	1598	Stan	NY
K4AVX	2307	John	KY
KE4JSL	2754	Jack	GA
W8DX	2912	Harvey	CA
W0UFO	3823	Mert	MN
N4ESS	8570	Rich	FL
W4AMW	8793	Robert	KY
NJ8V	9277	Dewey	OH
N5IXA	10678	Randy	OK
KI7PM	11292	Bob	AZ
K3HPS	11687	John	PA
WB2BJW	11910	Bob	NY
WU8P	15649	Phil	MI
KE0ZUW	21683	John	KS

FISTS AWARDS (continued)

14 Million Award: AF5Z, I5ECW

15, 16 Million Award: AF5Z, PA7RA

17, 18, & 19 Million Award: PA7RA

WAS Award: PA7RA, KF9IL

Spectrum 80m: PA7RA

Spectrum 40m: KF9IL

Spectrum 30m: PA7RA

Spectrum 20m: PA7RA, KF9IL

Spectrum 15m: PA7RA

Perpetual Prefix: PA7RA, KF9IL, OK1LO,
GM5TDX, ZS6WAR

Prefix 50 & 100: AF5Z, PA7RA, GM5TDX,
ZS6WAR

Prefix 150: AF5Z, PA7RA, GM5TDX

What's Your Story?

Do you have a story to tell? Members would love to hear how you got interested in ham radio. Did someone mentor you as a child? Did you learn it in the service? What is an interesting experience you had using Morse Code? What is your favorite key/rig? Do you have an interesting QSO you'd like to tell members about? Or photos to share?

Send your stories/photos to keynote@fistsna.org.

QR0 Category

Winter Saturday Sprint Results for February 8, 2025.

Rank	Callsign	Name	FISTS #	QTH	FISTS QSOs	Non- FISTS	Points	Bonus	Multi	Score
1	WB9HFK	Mark	7606	IL	16	19	118	250	22	2846
2	WB0CJB	Paul	12460	TN	24	6	132	250	15	2230
3	WB7UOF	Walt	22868	AZ	4	11	42	0	11	462
4	KA5VZG	Alan	15363	TN	3	4	23	0	7	161
5	K6DF	Dennis	3076	CA	2	4	18	0	5	90
6	N5TML	Tim	21761	TX	2	3	16	0	5	80

QRP Category

Rank	Callsign	Name	FISTS #	QTH	FISTS QSOs	Non- FISTS	Points	Bonus	Multi	Score
1	KI4DEF	Kevin	10620	NC	1	2	9	0	3	27

Club Category—no logs received

SOAPBOX . . . Call

The RTTY contest wiped out any use of 40M on Friday night so I had to go to 80M. On Saturday the SKCC WES gave me a little competition with some stations giving me their SKCC number. I did hear one station calling "CQ FISTS/WES" which is a good way to rack up QSOs in both events. Now if N1MM+ only had a way to also enter in the SKCC #... (besides putting the info in the comment line). All in all it was a good sprint and looking forward to next weekend and maybe a little less crowded on 40M Saturday night. 73 de Paul WB0CJB

Nothing heard on 80/40/20m early on, but good high band propagation later in day. Only 1 FISTS QSO, others were SOTA and SKCC WES. Rig was K2 @ 1W to 44 ft doublet up 35 ft. Hope to hear you next time! 72, Kevin KI4DEF (FISTS #10620)

First FISTS Sprint for me. It was fun to make the contacts. Walt WB7UOF

QR0 Category

Winter Sunday Sprint Results for February 16, 2025.

Rank	Callsign	Name	FISTS#	QTH	FISTS QSOs	Non- FISTS	Points	Bonus	Multi	Score
1	IU3BRO	Tilio	22451	ITL	15	12	99	250	14	1636

QRP Category—no logs received

Club Category—no logs received

SOAPBOX ... Call

RIG FLEX6400 100W, ANT VERT GAP TITAN. Tilio IU3BRO

President's message (continued)

money on a radio to have fun with it. With CW, 20 watts is not a hindrance.

My radios don't have microphones. I use Vibroplex bugs and a Navy Straight key for all but my T-784 transmitter. For that I use the first key I ever had, a brass J.H. Bunnell. Not an expensive key, but I put a Navy style knob on it and like the fact that I've had it forever.

Maybe it's time you dragged out those old radios you have not been using and get on the air with them. They are a lot of fun and I swear the signals sound better with older radios. Less harsh somehow. There are still a lot of operators who answer a CQ and would be glad to have a CW QSO with you.

Joe, N8TI

Get More Involved in FISTS-NA!

1. Enter one of the quarterly Sprints. If you are a new ham, it is a great way to practice your Morse Code. You can get on the air, meet other club members, and have some fun!
2. Submit an article, or articles, for the newsletter. We welcome all articles, photos, and experience levels. You don't have to be the great American novelist! Articles are lightly edited for typos and grammar.
3. Earn a free FISTS Club Key Patch when you make your first 10-minute CW QSO with any FISTS member on any band.
4. Volunteer! We are currently in need of an Activities Manager.
5. Submit suggestions about how FISTS-NA can be more relevant in 2024 and beyond.

SPRINT INFORMATION

Sprints will be held eight times throughout the year on the second Saturday and third Sunday in each of the following months: Feb., May, Aug. and Nov. Sprints will now run over a 24-hour period.

OBJECTIVE:

To exchange specified information with as many FISTS members as possible using Morse Code only, and within the time frame stipulated. Sprints are a great opportunity for our newer members to get on the air, meet other club members, and have some fun! We encourage more experienced operators to please QRS to match the other operator's speed.

PARTICIPANTS:

Any properly licensed amateur radio operator, FISTS member or non-member is invited to take part in the contest. At least one of the two stations in each QSO must be a FISTS member.

DATES AND TIMES:

SATURDAY SPRINT: from 0000 UTC to 2359 UTC on second Saturday in Feb., May, Aug., and Nov.

SUNDAY SPRINT: from 0000 UTC to 2359 UTC on third Sunday in Feb., May, Aug., and Nov.

BANDS:

Operation is limited to the following amateur bands: 3.5, 7, 14, 21, and 28 MHz amateur bands. Look for other participants around the FISTS frequencies: 3558, 7058, 14058, 21058, and 28058 kHz. You may NOT work the same station more than once.

ENTRY CLASSES:

There are three entry classes: QRO, QRP, and Club.

1. **QRO:** Over 5 watts to legal limit.
2. **QRP:** 5 watts output power or less.
3. **Club:** (regardless of power).

Entry class MUST be shown on logs to be considered for entry in a particular class, or will be assumed QRO. An entry must be ONE class only, no combination of classes allowed.

EXCHANGE:

The following information must be exchanged by both stations and shown in your log for each QSO to count as a valid QSO:

FISTS members: RST, S/P/C, first name, FISTS number. *Non-FISTS members:* RST, S/P/C, first name. (Enter "0" Zero if your logging program requires a power entry for non-members.) S/P/C = U.S. State/Canadian Province/DXCC Country

DX COUNTRY STATUS:

U.S. states and Canadian provinces are those states and provinces that are contiguous and found within the North American continent. DX are those entities listed in the current ARRL DXCC publication, other than the above.

MULTIPLIERS:

Each U.S. state (50) and Canadian province (13) counts as 1 multiplier. Count each only once, no matter how many times worked. Each DXCC country counts as 1 multiplier. Count each only once, no matter how many times worked. Canada and the USA do not count as DX multipliers

BONUS POINTS:

If the submitted Sprint log has a total of 25 or more listed QSO's, a bonus of 250 points will be added to the final calculated score.

SCORING:

Each QSO with a FISTS member: 5 QSO points. Each QSO with a non-FISTS member: 2 QSO points. Final score is total QSO points times the number of multipliers worked, then Bonus points are added.

CERTIFICATES:

Certificates will be awarded to the first, second, and third place finishers in each Sprint for each Entry Class. End-of-Year Certificates will be awarded ONLY to FISTS members with the highest cumulative point totals in the QRO, QRP and Club categories for all Sprints at the end of the year. Certificate will be sent to the winners via email in PDF format.

Sprint Information (continued)

LOG SUBMISSIONS:

All log entries must be received within 7 days after the Sprint to be considered valid. Logs not sent to the proper address will not be considered for entry. The logs will be spot-checked for accuracy and correct scoring procedures. All logs **MUST** contain the following information for entry:

1. Your name, call sign, mailing address, and FISTS Number if a member.
2. Club name and call sign if entry is for a club station.
3. Sprint worked—Date of the Sprint worked.
4. Entry class—QRO, QRP, or Club.
5. Number of FISTS members worked.
6. Number of non-FISTS worked.
7. FISTS number for FISTS QSOs.
8. List of multipliers.
9. Your claimed score.

An entry form is available here and on the FISTS website at:

https://fistsna.org/pdfdocs/sprint_entry_form_rev2.pdf

ELECTRONIC LOGS:

We will accept electronic logs in standard Cabrillo or ASCII Text File format. If you're not sure about your format, please contact the Sprint Manager before the contest entry deadline. E-logs are sent to:

sprintlogs@fistsna.org ONLY.

PAPER LOGS:

Send log and entry form to:

FISTS Sprint Log
4305 Roundwood Ct.
Indian Trail, NC 28079

JAN. 1, 2021 CHANGES TO AMERICAS CHAPTER MEMBERSHIPS

All Americas Chapter memberships will be dues-free.

- Expired memberships were changed to Life memberships on Jan 1, 2021.
- Current paid memberships that expired were changed to Life memberships on their expiration date.
- All New Memberships received since April 2, 2020 are entered as Life memberships.

Details about printed/mailed newsletter subscriptions appeared in Issue #4, 2020 of the *KeyNote*, which is available on the FISTS website at:

www.fistsna.org/publickeynotes.php



FISTS SPRINT ENTRY FORM

Check Sprint Entered: Saturday _____ Sunday _____ Sprint Date _____

Entry Class: QRO _____ QRP _____ FISTS Club _____

Name _____ Call _____ FISTS # _____ Non Member _____

Address _____

City _____ State _____ Zip _____

If Club, Club Name, Call _____ FISTS Nr. _____

E-mail Address (optional) _____

SCORING: Number of FISTS member QSOs: _____ $\times 5 =$ Total [A] _____
 Number of Non-FISTS QSOs: _____ $\times 2 =$ Total [B] _____
 Number of multipliers worked: _____ $=$ Total [C] _____

Add [A] to [B] and multiply by [C] to get your TOTAL CLAIMED SCORE = _____

----- CIRCLE WORKED MULTIPLIERS -----

1	2	3	4	5	6	7	8	9	0	VE	DX
CT	NY	DE	AL	AR	CA	AZ	MI	IL	CO	NB	NF/LB
MA	NJ	MD	FL	LA		ID	OH	IN	IA	NS	NT
ME		PA	GA	MS		MT	WV	WI	KS	PE	YK
NH			KY	NM		NV			MN	QC	BC
RI			NC	OK		OR			MO	ON	
VT			SC	TX		UT			NE	MB	
			TN			WA			ND	SK	
			VA			WY			SD	AB	
						AK					

Please enclose paper logs ONLY, photos, comments, ideas, etc., with your entry and mail promptly to:

FISTS Sprint Logs
 4305 Roundwood Ct.
 Indian Trail, NC 28079

Statement: "I have observed all FISTS Sprint competition rules as well as all regulations for Amateur Radio in my country. My report is correct and true to the best of my knowledge. I agree to be bound by the decisions of the FISTS Awards Committee."

Date _____ Signature _____ Call sign _____

SOAPBOX COMMENTS: