

# The KeyNote



Newsletter of the Americas Chapter, FISTS CW Club—The International Morse Preservation Society  
Issue 4, 2021

## Key Clicks, Chirps and Other Sounds That Have Gone the Way of the Ivory-Billed Woodpecker

By Bryan Bergeron, NU1N

Back when I held a Novice ticket, I could recognize many hams I'd worked before not only by their fist, but by the tone of their CW signal. That was back in the day that a "tone report" actually meant something. According to my trusty 1965 ARRL Handbook, the Tone component of RST is reported on a scale of between 1 and 9:

1. Extremely rough, hissing note
2. Very rough a.c. note, no trace of musicality
3. Rough low-pitched a.c. note, slightly musical
4. Rather rough a.c. note, moderately musical
5. Musically-modulated note
6. Modulated note, slight trace of whistle
7. Near d.c. note, smooth ripple
8. Good d.c. note, just a trace of ripple
9. Purest d.c. note

Furthermore, if the signal has the characteristic stability of crystal control, an X is appended to the RST report. Similarly, a K is appended for clicks and C for chirps.

I'd be hard pressed today to differentiate between a signal with an RST report of 575 vs one of 576. It's been at least a decade since I've heard anything less than a "9" on the tone scale. Perhaps this is a testament to the use of commercial over home-brew gear. Or that hams are quick to repair their transmitters and power supplies

once they receive anything other than a 9 on a tone report.

Unfortunately, unlike the sounds of the now extinct Ivory Woodpecker, there are no readily available recordings of CW signals with RST ratings that vary along the full scale of the tone report (see [www.allaboutbirds.org](http://www.allaboutbirds.org) for a 1935 recording of the Ivory-Billed Woodpecker). I'm sure such recording exist in some archive, probably on a reel-to-reel tape recorder format that's no longer readable. Perhaps it's time to establish audible standards for the RST designation? And perhaps one exists, and I'm simply not aware of it. If you have or are aware of such an archive, please share it with me and other readers of this newsletter.

73, Bryan (Editor)

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"When you've worked a FISTS, you've worked a friend."

## INFORMATION PAGE

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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 Key-Note*. 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](mailto:awards@fistsna.org)  
4658 Capitan Dr., Fremont, CA 94536-5448

### Club Call, KNØWCW

Cody Codianni, KC2LSD, [kc2lsd@fistsna.org](mailto:kc2lsd@fistsna.org)  
413 Martin Court, Leonardo, NJ 07737-1317

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

Dennis Franklin, K6DF, [membership@fistsna.org](mailto:membership@fistsna.org)  
4658 Capitan Dr., Fremont, CA 94536-5448

### FISTS Store Manager

Joe Falcone, N8TI, [fistsstore@fistsna.org](mailto:fistsstore@fistsna.org)  
9880 Musch Road, Brighton, MI 48116

### Activities Manager

"Vacant"

If interested email to:

Joe Falcone N8TI [fistsstore@fistsna.org](mailto:fistsstore@fistsna.org)

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

Dennis Franklin, K6DF, [webmaster@fistsna.org](mailto:webmaster@fistsna.org)  
4658 Capitan Dr., Fremont, CA 94536-5448

### Code Buddy Volunteers and Buddies

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

### FISTS Sprints

"Vacant"

If interested email to:

Joe Falcone N8TI [fistsstore@fistsna.org](mailto:fistsstore@fistsna.org)

### Get Your Feet Wet Activity Day/G3ZQS Memorial Straight Key Contest

Karl Zuk, N2KZ, [feetwetlogs@fistsna.org](mailto:feetwetlogs@fistsna.org),  
[g3zqslogs@fistsna.org](mailto:g3zqslogs@fistsna.org)

15 Flintlock Ridge Rd., Katonah, NY 10536-2510

### The KeyNote Newsletter

Bryan Bergeron, NU1N, [keynote@fistsna.org](mailto: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](mailto:keynote@fistsna.org)**

## The KeyNote

The Newsletter of the Americas Chapter of FISTS

Issue 4, 2021

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Send articles to:

[keynote@fistsna.org](mailto:keynote@fistsna.org)

Design: Mary Cronin

## Americas Chapter, President's Message

By Joe Falcone, N8TI

The purpose of our club is to promote the use, preservation and education surrounding Morse Code. Well, we must be doing something right. Have you tried to buy a CW key lately? Half of them are sold out. My wife asked me what I wanted for Christmas and I picked out one of those vertical bugs that are being sold nowadays. When she tried to buy one, the website said that the sellers had stopped taking orders as they were so far behind in their production.

The popularity of Morse keys is not the only sign of Morse Code being alive and well. In watching the various YouTube channels broadcast by amateur radio operators, Hams who started in the hobby using only Single Side Band are mentioning how they are learning CW. Why? Because younger Hams who like to take their QRP radios with them hiking and to the parks are realizing that five watts goes a lot further with CW than with SSB. In addition, CW is just a lot of fun. One fellow on YouTube said that he likes CW because he feels like an old time "spy" when he is listening to and sending code. Whatever your reason for using CW is, you can be sure it will always be enjoyable and fun.

Speaking of fun, one of the reasons why winter in Michigan is always fun is because it reminds me of antennas. That is because us northern folk call a frigid blast of the Polar Vortex, "Good Antenna Weather." We do this mostly because we usually leave antenna work until beyond the last

minute. I think that most of my antenna work has been done with snow on the ground. I managed to avoid doing that this year because I put up what I imagine could be loosely called an antenna array, even though not on purpose. What happened was that I put up a 130-foot wire from my house to a flagpole (up about 20 feet), then out toward the back. It runs east to west. It has a 1:64 unun from which 15 foot of coax runs up to a set of glass doors. To get through the glass doors, I took some speaker wire and threaded it through the weather stripping up to a 4:1 balun just before the rig. Quite a hodgepodge, indeed! Then, I put up a 40 meter dipole, (with 33 foot legs), running north to south, with a set of 16 foot legs hanging below (for 20 meters). That is fed with about 50 feet of coax to a duplicate arrangement of speaker wire feeding into the house.

Well, as you can imagine, neither antenna was anything to write home about. No, it wasn't because of the use of speaker wire going through the glass doors. Speaker wire is about 200 ohms impedance and has about as much loss as RG-174, so not terrible for about ten feet. In fact, a speaker wire dipole using the split ends of the speaker wire as the legs of the antenna and the still-joined speaker wire as a feedline is a popular field antenna. (Using 50 feet of speaker wire and making the legs of the dipole 22 feet long with the remaining 28 feet of the wire as a feedline with a tuner, is a tried and true antenna system for field work.)

The interesting thing was that when I decided to hook both antennas up to the radio, the performance dramatically increased. This was

*(continued on page 4)*

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## President's Message (continued)

confirmed by the fact that I have worked quite a bit of DX with the setup as well as stations throughout the U.S.

The reason I tell this story about my antennas is to assure you that that using \$20 of wire as well as some coax you might have laying around can get you an antenna (or two), that will keep you busy on the air. Even crazy ideas like hooking up two antennas together and using speaker wire as a feedline can get results. Throw in an antenna tuner and you are ready to work the world.

The coolest part of all of this ham radio stuff is that there are now a lot of people on the radio using CW. I will admit that I thought eliminating the code requirement for licensing was a bad idea. However, it has brought a lot of people into the hobby. These newer people eventually see that CW is a major part of amateur radio and is a lot of fun. As a result, the CW portions of the bands are getting crowded. I think that the bands are every bit as crowded as they were 30 years ago and that is good news.

I hope that all of you, if you haven't already, start to turn on the radio every day and call or answer a CQ and meet your fellow FISTS on the air.

73, de Joe N8TI

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## FISTS AWARDS

By Dennis, K6DF

Congratulations to all who earned operating awards from Sept. 13, 2020 to Nov. 19, 2021.

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/memlogon.php>

**New Members** can earn a free FISTS Club Key Patch for making their first 10-minute CW QSO with any FISTS member on any band, so 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:

AJ6HO Loretta—QSO with K6DF

NX2E Jerome—QSO with K3DGR

K1ABD Chris—QSO with WA6OEF

NØLG Linda—QSO with K4FYI

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 dust off those keys and get on the air and start making contacts. Try using the free "Log Converter" program to track your club awards, and 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 June 12, 2021 to version 4.1.0. 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.

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# WELCOME NEW FISTS AMERICAS CHAPTER MEMBERS

Call	FISTS#	First Name	S/P/C	Call	FISTS#	First Name	S/P/C
N9UN	21156	Tony	IN	KF4WAT	21196	Bill	VA
WB5QZI	21157	Michael	AR	W6LPM	21197	Verne	CA
NØRNM	21158	Anne	CO	NY3J	21198	Ron	PA
W4PJW	21159	Jeff	VA	KA8ZWT	21199	Andrew	OH
W4MDO	21160	Mark	FL	KG4BIB	21310	Bruce	TX
K1ABD	21161	Chris	VT	KD2WZE	21311	James	NJ
AA7JY	21162	Dan	AZ	W5JQK	21312	David	AR
AI5EQ	21163	Greg	TX	NJ6Q	21313	Jer	CA
N7WFK	21164	Richard	OK	WS7DA	21314	Mike	OR
KK7AWK	21165	David	WA	WØBET	21315	Darrel	CO
WA2EHV	21166	Greg	MA	N5SDS	21316	Steve	TX
K5VK	21167	Mike	TX	KC1PZB	21317	Steve	CT
WØYSE	21168	Neil	UT	KZ5H	21318	Seth	TX
KB8UMD	21169	John	MI	W9FNN	21319	Bruce	IN
KN4LUL	21170	Seamus	FL	WW7TT	21320	Trent	CA
KK7ATM	21171	Robert	WA	WA3GPP	21321	Rich	PA
N8AMI	21172	John	OH	KG5IF	21322	Rich	TX
NN4Y	21173	Terry	AL	WB2GAI	21323	Ron	NJ
N6RY	21174	Terry	AZ	W9LME	21324	Mike	IN
KK7BCG	21175	James	MT	KB3RCO	21325	Mike	PA
NB7O	21176	Kevin	OR	VE1PDL	21326	Ken	NS
K7VAT	21177	Peter	AZ	WØGW	21327	Gary	MO
K6TPS	21178	Jim	CA	W4NQX	21328	Vicki	SC
KK7BGT	21179	Angel	UT	KA1KGR	21329	Bruce	ME
KF2V	21180	Richard	OH				
WX8I	21181	Ron	CA				
AAØJS	21182	Janet	WA				
VE4GH	21183	Greg	MB				
LU1KAK	21184	Jose	DX				
KJ4WNA	21185	Max	TX				
N5DVI	21186	Huey	LA				
KD6XU	21187	Barry	CA				
NØLG	21188	Linda	ND				
W5CN	21189	Carl	NM				
WØRLD	21190	James	IN				
WØJTS	21191	Jim	NB				
K3VIX	21192	Paul	TN				
K4KU	21193	Patrick	TN				
KO4LAO	21194	Jim	SC				
KFØEZF	21195	John	MO				

September 13, 2021–November 18, 2021

## 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](mailto:keynote@fistsna.org).

## FISTS Awards (continued)

Be sure to check the Americas Chapter web pages for updated awards information and how to apply for them: [www.fistsna.org/awards.html](http://www.fistsna.org/awards.html).

If you have any award questions or suggestions, send e-mail to me at: [awards@fistsna.org](mailto:awards@fistsna.org).

Wishing that you and yours stay safe and healthy.

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

**FISTS AWARDS ISSUED: Sept. 13, 2021–Nov. 19, 2021**

**Silver Century:** W7ZDX

**Gold Century:** EA6BB, HK5NLJ

**Diamond Century:** VE9VIC, IK0IXI

**Millionaire Award:** IU0ITX

**2 Million Award:** PA3HEN, IK7UKF

**7 Million Award:** PA7RA

**19, 10 & 11 Million Award:** VE9VIC

**13 Million Award:** G4LHI

**Worked All States:** F6JOE

**Spectrum 17M:** F6JOE

**Spectrum 20M:** W7ZDX

**Spectrum 30M:** F6JOE

## 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 Activities and Sprint Managers.**
5. Submit suggestions about how FISTS-NA can be more relevant in 2021 and beyond.





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## My Journey to Ham Radio

by David Hartson, KK7AWK

My journey to ham radio started about 50 years ago, so I'm no longer a spring chicken.

Back somewhere around 1968–70 (memory is a bit too far back for precision), my dad gave me a small radio kit to build because he knew I was fascinated by radio and electricity. I built that radio, but found it only worked when properly grounded. Who knew? At the time, the best ground I could find was the finger stop on our rotary dial telephone. But the radio worked!

Dad was in the Army in the 1950s and once while in Germany, he bought a 1954 Grundig radio. This radio had it all; a ferrite antenna (rotatable), an external, triangle antenna one could put on the roof (which we did), and it would pull in long wave, short wave, AM, FM and all sorts of mysterious noises. As a kid, I'd listen to that radio at night for hours, pulling in Radio Free Europe, stations in languages I couldn't understand, streams of beeping noises that I now attribute to satellites—you name it, I heard it. I traveled the world with that radio, ages before the internet was even thought of. I saw pictures of the world in my mind.

One evening Dad took me to one of his friends' houses. That friend had a ham radio, which to me was both amazing and intimidating. We got to playing with frequencies and he found a guy in Indiana who was in a town with the same name as my home town. Fascinating! How did he do that? That was amazing stuff for a kid who was curious about these mysterious radio waves.

So I started studying Morse Code, and there was dad, helping me to learn it. I only remember one mnemonic he gave me from back then, that "R" was  $\cdot\text{--}$  and how he remembered it was,

it looked to him like two wheels and a running board of a Roadster. I'll never forget R!

Then life changed, I moved from small-town Montana to Houston, Texas, for some culture shock, finally ending up in Washington state. Over the years, Dad moved the old Grundig to the garage where it sat for 40 years. A few years before he passed away, it was gifted to me, so I have it in my living room and yep, it still works. The tubes are holding up well! I wish I had that outdoor antenna but now I'm learning to make one.

In the 1980s I got my private pilot certificate (FAA issues certificates, FCC issues licenses—go figure). I also got my instrument rating, so I'm used to talking on radios and tuning in various VHF frequencies of the airborne type. Radio waves are amazing tools in so many ways.

Fast forward to this year. One day, out of the blue, my wife said, "hey, why don't you get a ham radio?" I really hadn't thought about it for some time—I have plenty of hobbies. But the idea clicked, so I started researching, looking at budget, thinking what did I want to do, and I bought a little IC-7100 to start my shack. Got my technician license at the same time and started talking to folks locally. But what's this "CW" thing people are talking about? Continuous wave? Oh wow! It's for Morse Code! Well I'd better get that general and a decent HF antenna so I can really open up the pipes on this thing. Oh and by the way, awaken those old synapses from decades ago and really, truly learn Morse Code this time. It's amazing how much one can bring back to life in an old-ish brain...

I ordered an MFJ practice oscillator/key and grabbed some Morse learning software off the net. The MFJ hasn't arrived yet but I'm already starting to think in Morse. I'm a bit slow...I have

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## My Journey (continued)

blank spots, and it'll be a while before I can tap 5 wpm, let alone decipher it in my brain, but the language is forming and I'll get there. I'll have software and hardware to help me, and dad will be proud.

So largely because of, and in honor of my dad, an officer and true gentleman of yesteryear, I have re-kindled my interest in Morse Code and radio in general. And, of course, I have to thank my amazing wife who was thoughtful enough to remember these stories and knows my dad was the finest, kindest man I've ever known.

So here I am, and now you know the short (wave) version of my story. 73, KK7AWK (and 88 to dad)

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## FISTS Fall Saturday 2021 Sprint Results—Nov. 13, 2021

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### QRO Category

Call	Name	State	FISTS#	QSOs	Mem	Non-Mem	Points	Mults	Score
K5YQF	Cecil	TX	8077	23	18	5	100	15	1500
K3JZD	Jody	PA	17513	17	14	3	76	14	1064
N8BOR	Mike	IL	4594	11	9	2	49	11	539
W89HFK	Mark	IL	7606	11	11	0	55	8	440
K4KO	Greg	TN	10584	9	7	2	39	8	312
K6DF	Dennis	CA	3076	10	4	6	32	9	288
K4BAI	John	GA	2158	3	3	0	15	3	45
WA3GPP	Richard	PA	21321	2	2	0	10	2	20

### Club Category

AB9BZ	Dave	IL	8401	6	3	3	21	4	84
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### Soapbox

Call	Comments
K3JZD	<i>Fair amount of activity. 14m was open, but I did not find anyone taking advantage of that. K4-100w. Jody</i>
K6DF	<i>Nice to hear more stations on the bands. Looks like cycle 25 is getting started. 73, Dennis</i>
K5YQF	<i>Good day here in central TX. Worked 18 members; largest number this year. I hope this is a trend. Looking forward to Nov. 21 and close out the year with even more activity! Cecil</i>
N9BOR	<i>First FISTS Sprint in a long time. I wish there could have been more participants. 73, Mike</i>
K4KO	<i>Worked 7 FISTS members and 2 non-members. It was hard to find FISTS among the SKCC group, but ended up logging a few of them, too. Playing with the K2 and a new EFHW antenna. Thanks to Tom (Sam) for activating the club call W4DIT.</i>

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# FISTS Fall Sunday 2021 Sprint Results—Nov. 21, 2021

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## QRO Category

Call	Name	State	FISTS#	QSOs	Mem	Non-Mem	Points	Mults	Score
WB9HFK	Mark	IL	7606	17	15	2	79	14	1106
K5YQF	Cecil	TX	8077	13	9	4	53	10	530

## Club Category

NO LOGS RECEIVED!

## QRP Category

Call	Name	State	FISTS#	QSOs	Mem	Non-Mem	Points	Mults	Score
AB9BZ	Dave	IL	8401	3	3	0	15	3	45

## Soapbox

### Call

### Comments

K5YQF

*Conditions marginal here today; but made it worse by starting late. Rookie mistake. Still 9 members out of 13 contacts.*

AB9BZ

*Thanks for the Sprint, operated QRP, Have a safe, Happy Thanksgiving, 73 AB9BZ*

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## Year-End Winners

K5YQF Cecil, #8077—Total Score for all QRO Saturday Sprints was 4791

K5YQF Cecil, #8077—Total Score for all QRO Sunday Sprints was 3116

NN9K Peter, #2047—Total Score for all QRP Saturday Sprints was 378

K4BAI John, #2158—Total Score for all QRP Sunday Sprints was 1296

KNØWCW Dennis (K6DF), #10000—Total Score for all Club Sunday Sprints was 649

KMØRSE Dennis (K6DF), #18000—Total Score for all Club Sunday Sprints was 13

# NEW SPRINT INFORMATION

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Sprints will be held eight times throughout the year on the first Saturday and third Sunday in each of the following months: Feb., May, and Aug., with the exception of Nov., which will be the second Saturday and third Sunday.

## **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:**

**To be determined**

## **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.

## **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.

## **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.

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## New Sprint Information (continued)

### LOG SUBMISSIONS:

All log entries must be received within 14 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:

[fistsna.org/pdffdocs/sprint\\_entry\\_form\\_rev2.pdf](https://fistsna.org/pdffdocs/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 should be sent to the new Sprint Manager, to be determined.

### PAPER LOGS:

Send log and entry form to the new Sprint Manager, to be determined.

## JAN. 1, 2021 CHANGES TO AMERICAS CHAPTER MEMBERSHIPS

All Americas Chapter memberships will be dues-free.

- Expired memberships will be changed to Life memberships on Jan 1, 2021.
- Current paid memberships that expire this year will be changed to Life memberships on their expiration date.
- All New Memberships received after April 2, 2020 will be 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.html](https://www.fistsna.org/publickeynotes.html)



## Happy Holidays!

All of us on the staff of *The KeyNote* wish you and your family a safe, healthy and happy holiday season and New Year!

# 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: \_\_\_\_\_ × 5 = Total [A] \_\_\_\_\_

Number of Non-FISTS QSOs: \_\_\_\_\_ × 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**

Address to be determined

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: