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Lodi Amateur Radio Club

newsletter for

October 2020



Featured in this issue:

	PAGE
Club meeting (Zoom) October 1st:	1
Local 2-meter contest, Oct 17th:	2
Get your Lodi ARC T-shirt:	3
Free vanity call signs—for now:	4
California QSO Party, Oct 3-4:	4
The Great Calif Shakeout, Oct 15th:	5

	PAGE
Now hear this!	5
Ham license testing, Oct 10	D: 8
Ham Swap Meet:	9
Line Feed:	10
About the Lodi A.R.C.:	11
The Last Word:	11

CLUB MEETING ANNOUNCEMENT

Mark your calendar and join us on Zoom:

THURSDAY, October 1st, 6:30 PM

Special dual program:

- 1. Easy 2 meter contest Oct 17th
- 2. Working the Sept. VHF contest

To join the meeting, <u>CLICK HERE</u> between 6:15 and 6:30 pm.





QST, QST, QST, all radio amateurs:

Welcome to our Wednesday night nets:

- Simplex net: 147.090 (simplex) 6:30 pm
- Club net: 147.090 (repeater, PL 114.8) 7:00 pm
- 10 meter net: 28.400 (USB) 8:00 pm



"THE GREAT 2-METER SPRINT CONTEST" OCT 17th

Our net operations manager Bob, N6TCE has announced a 2-meter simplex contest in the local area that should be especially interesting to Lodi club members, given our strong experience on simplex. It's one hour, **1100** to **1200** local time on **Saturday, October 17th**. The idea is to make as many contacts as possible in just one hour on simplex—no repeaters. See the full contest rules starting on page 6.

Contacts will be made only on certain specific frequencies as shown below. You may initiate a single contact on any one frequency, but you then must then QSY (change frequency) to make your next contact. The station you'd worked may then make one new contact on that frequency before being required to QSY, etc. You can return to the original frequency after you make least one more contact on different one. That ensures that no one station can monopolize a frequency, giving everyone an equal chance for multiple contacts.

Portable operation is allowed, but not mobile in motion. All contacts must be made from one location, whether your home station or someplace else. Mobiles could drive to a preferred location and operate from there as portable.

Certificates will be awarded to the top 3 winners in each of 3 categories, depending on the power output of the radio you use: (a) 5 watts or less, (b) 6 to 49 watts, (c) 50 watts or more. You will operate at the same power level throughout the contest—one category only.

Logging and reporting is super simple: (1) your serial (contact) number, (2) local time, (3) the station you worked, and (4) the other station's serial number. Although not required, you may also find it helpful to log the frequency. A log form appears on page 14 that you could download and print. Keep your log, but don't submit it; just send an email message to N6TCE stating your name, call sign, power category, operating location, and your number of contacts. Put "2 METER SPRINT" on the subject line. Send it by Oct. 25th to Bob at **n6tce@arrl.net**.

Here are the frequencies for use during the contest, and only these 12 may be used. You may want to set up memories in your radio in advance to facilitate the many QSYs you will do. (Notice that you will *not* use the national simplex calling frequency, 146.52.)

146.415	146.505
146.430	146.535
146.445	146.550
146.460	146.565
146.475	146.580
146.490	146.595



See you on the 17th at 11:00 AM on simplex!



GET YOUR LODI A.R.C. T-SHIRT

Thanks to a great deal arranged in September by Mike, K6AAN, we acquired 60 T-shirts in various sizes like you see here and on page 1, and we're now in the process of getting them distributed to everyone who placed an advance order. A small number of extra shirts were purchased to accommodate late orders, and those are now available to anyone who wants one. If you're interested, don't delay because we only have a few left in sizes Large and Extra Large. They're sure to go fast, so get 'em while they're hot! The current price is only \$9.10, (our actual cost), but the club's board may change that after all advance orders are delivered.

Let us know a.s.a.p. if you want to obtain one of the available shirts. Any that we buy in the future will almost certainly come at a higher price.

If you placed an advance order with K6AAN or KG7OR and haven't picked up your shirt yet, please contact us now to get it arranged: <u>click here</u>. If we don't hear from you by Friday, October 2nd, your order will be canceled and the shirts added to the above stock.



WANT A MOTOROLA HT-1000?

The Motorola HT-1000s are a series of excellent industrial-grade handheld transceivers designed for the 150 and 450 mHz land mobile services, which makes them adaptable for 2 meters or 70 cm., depending on the model. Thanks to Mike, K6AAN, the club has acquired two of them that are ready to use now on the local 2-meter repeaters. If you're a member of the Lodi club who has earned your first ham license very recently and you don't have a transceiver yet, you can borrow one of our HT-1000s and immediately begin using a really good radio. It's a great chance to get started with some on-the-air experience. You can expect to be contacted with full info shortly after you pass your test. Meanwhile, if anyone else would like to have your own HT-1000 with charger and a new battery, just <u>contact Mike</u> for purchase details, and it's a very good deal.

WANT A VANITY CALL SIGN? DO IT NOW.

W6SXA has a discussion on page 7 regarding the FCC's proposal for amateur radio fees, driven by a new law requiring them to collect their costs for administering licenses in all radio sevices. Whether fees for hams will actually happen as proposed is hard to say; there is plenty of opposition for very good reasons. But we can probably assume that <u>some</u> new fees will eventually result, which means if you want a new vanity call sign *for free*, you should get it now. Here's the procedure:

1. First, get familiar with the call signs available to you. A great resource for that is the <u>AE7Q</u> site; spend some time there and check its many resources. For your vanity call sign, first understand what's possible for your license class: for Technician and General class, it can be in the 2x3 format (like KN6XYZ) or 1x3 (K6XYZ). It can also start with W or N. You're not limited to the "6" area, although that indicates California and would be consisent with firm expectations.*

For Extra Class you're open to any format, 1x2, 2x1, 2x2, 1x3, or 2x3, starting with K, N, W, or AA-AK. Don't count on getting a 1x2 or 2x1 in the 6th area—practically impossible; they're pretty much used up. You'll save frustration going for a 2x2 call, like AK6ZZ or KB6LO.*

Once you've decided on a call you'd like to have, plug it into the "Lookup" tool on the right side of the AE7Q page—if it's available now, it will say so and you can go to step #2. If it isn't, enter another choice and try again until you score. It may be prudent to write down 2 or 3 acceptble choices, in case your first choice can't be granted for some reason not readily apparent.

2. When you're ready to go for it, get your online FCC password and FRN number and log in:

https://wireless2.fcc.gov/UIsEntry/licManager/login.jsp

3. On the far right side of the next page, click "Request vanity call sign." From there the process is intuitive enough that you can just follow the prompts until you've completed your application. For further guidance, the San Benito County A.R.A. has an excellent step-by-step guide that will help you with each of the FCC screens if you need it: <u>click here</u>.

That gets you your vanity call sign for free, at least for now. Of course, if all that is too much work, you can pay the W5YI group to do most of it for you—if interested, check them out <u>here</u>.

*Avoid call signs with an "L" in the second position, like KL6AA. Those are reserved for Alaska.



YOU'RE THE DX IN THE CALIFORNIA QSO PARTY!

We in 6-land are accustomed to being among the multitude trying to score a QSO with some distant contact during a state QSO party, and there are always a whole lot of "sixes" in the pileup. But on the weekend of **October 3-4**, <u>you</u> get to be the target of the pileup as everyone else tries to work all 58 California counties. See the details <u>here</u>, and enjoy the rare experience of being the "DX" for a change.

HAM RADIO AT ITS BEST: THE GREAT CALIFORNIA SHAKEOUT



"The Great California Shakeout" is an annual test of everyone's ability to react to and conduct emergency operations after an earthquake. It's a worldwide event since earthquakes are common in a great many areas, with California being among the most common. The event tests resources across a very broad spectrum, not just communications. For a complete overview, see the website: <u>https://www.shakeout.org/</u>

This year's drill will be conducted locally at 10:15 am on **Thursday, October 15th** (*"10:15 on 10/15"*), and will be a topic of discussion and planning on our nets until that date. For now, mark your calendar and plan to participate in this fine example of ham radio at its best: communications during an emergency when other resources are not enough or have failed altogether.

At this time the intent is for everyone to come up on the Stockton-Delta repeater, 147.165 mHz (PL 107.2) after an initial callup by the net control station. Further details will be forthcoming as they are developed—again, check into or monitor our nets for updates, and have your radio gear ready!

"NOW HEAR THIS!"

If that sounds a lot like Navy talk, your editor did 23 years there and it's tough to lose old habits. Aboard a ship, the phrase precedes an important message for all hands, and that's what we have on the next few pages:



From the club president, Barry K6ZZD: The reason our club continues to be a success on several levels is the willingness of a few members to *volunteer*—that magic word that makes anything important happen. Whether it be a club officer, a committee manager, committee member, or maybe just a frequent hands-on helper, it's the willingness of our members to shoulder some of the club's burden that moves us along. *Thank you* sincerely to those who have done it all for us, both in the past as well as now.

That said, we do have a continuing need for volunteers—we never seem to get to the point where we can say, "okay, great, we got all the help we need." With a diverse membership of over 70 hams from a wide variety of backgrounds, there is a large talent pool out there that can help us a great deal. To start, we currently have a compelling need for someone to take on our new Presentations Committee, which primarily means arranging for the programs at our monthly meetings. Jim, WB6BET has had that chore for something like 10 years, so it's long past time to give him a break.

The job is easier than it sounds: you don't create and present programs, you simply recruit those who can and will, and get them on our schedule. If you have a knack for talking to others (you're a ham, so you do), and you can manage a little planning and scheduling, you've pretty much got it done. Please give the idea some consideration, and let me hear from you in order to talk it over.

NOW HEAR THIS, continued



From the Net Operations Committee, Bob N6TCE: Here are the official rules for "The Great 2-Meter Sprint Contest" announced on page 2.

- What: A simplex contest.
- Where: 2 meter FM simplex frequencies
- When: Saturday, October 17, 2020 from 11am to Noon
- Who: Open to any licensed radio amateur.
- Why: To introduce contesting to a larger population of hams.
- Object: To make as many 2-meter simplex QSOs as possible.
- Sponsoring organization: Shirley L Rose Memorial DXCC

1. Rules:

One person performs all transmitting, receiving, spotting, and logging functions as well as equipment and antenna adjustments. You may not receive assistance from any other person for anything related to the contest.

The station calling CQ and completing a QSO must change frequency and allow the answering station to hold the frequency. For example: W6AB calls CQ on 146.415, and is answered by AD6KU. The exchange is completed. Now, W6AB must QSY (change frequency) and AD6KU may call CQ or QRZ on 146.415 until he makes a successful QSO, or he can also change frequency.

2. Categories:

There will be three categories for this contest.

- A: Single operator, fixed location, running 5 watts or less.
- B: Single operator, fixed location, running 6 to 49 watts.
- **C:** Single operator, fixed location, running 50 watts or more.

You may enter only one category for the contest.

No mobiles/rovers, but you can go to and work portable from your car in one fixed location, i.e. your driveway, parking lot, etc. Portable stations must remain stationary during the entire event.

3. Exchange:

Give your call sign and your serial number. Example:

For example: K6AB calls: "CQ CQ K6AB VHF Sprint " AD6KU answers: "AD6KU" K6AB replies: "AD6KU, this is K6AB, number 2." AD6KU replies "Copy number 2, this is AD6KU, number 6." K6AB may politely reply, "thank you, the frequency is yours." →

K6AB must then QSY. AD6KU may stay on that frequency and make one contact, or QSY if desired.

(continued on page 12)

NOW HEAR THIS, continued



From the Technical Committee, Mark W6SXA: The FCC is currently proposing (Key word PROPOSING) in a Notice of Proposed Rule Making (NPRM) MD Docket 20-270 the imposition of a \$50.00 fee to be charged to all amateur radio operators and applicants to become a amateur radio operator. This fee would apply if you are an applicant for a first time license, if you are applying for an upgrade to your license, if you are requesting a printed copy of your license, or if you are applying for a vanity call sign.

Congress passed a law, the *Ray Baum's Act,* and a section included in that act requires the the "FCC switch from a Congressionally-mandated fee structure to a cost-based system of assessment. In its NPRM, the FCC proposed application fees for a broad range of services that use the FCC's Universal Licensing System (ULS), including the Amateur Radio Service that had been excluded by an earlier statute. The 2018 statute excludes the Amateur Service from annual regulatory fees, but not from application fees."

"Applications for personal licenses are mostly automated and do not have individualized staff costs for data input or review," the FCC said in its NPRM. "For these automated processes — new/major modifications, renewal, and minor modifications — we propose a nominal application fee of \$50 due to automating the processes, routine ULS maintenance, and limited instances where staff input is required."

I believe that this new fee will severely hurt many who already find it expensive and difficult to get into Amateur Radio. This is probably especially true for the young people that can barely, if at all, afford the cost of a simple small handheld transceiver. In many of those cases amateur radio clubs have provided at their own expense those radios to help young newly licensed operators get started.

The only way around this new law from Congress is to go to your legislator to amend the law which is probably a long drawn out process with limited chance of success. However, the \$50.00 figure is one that has been only "proposed" thus far. I believe that we could, at least, attempt to negotiate this fee down to a much more reasonable figure that we can live with, say maybe \$15 to \$20.

Why should the FCC do this, you say? The amateur radio community does not receive remuneration for any of the services that they render.

1. Amateur radio operators routinely provide communications services in support of charitable organizations events such as runs, walkathons, bicycle rides, etc. that benefit blind centers, food banks, veterans organizations and more.

2. The amateur radio community operates free of charge and on a voluntary basis, providing trained and skilled radio operators that transport, set up, operate and maintain all the radio gear needed for emergency communications, and to provide backup to local, state, and federal agencies and governments during times of emergency or major disaster when normal utility a.c. power may be out over a very large area. Telephone and Internet services may be down as well as cell phone service. Major disasters can even take out our emergency broadcast system. Amateur radio has been able to step into these situations all over the our nation and worldwide to provide critically important communications in support of relief efforts working with the Red Cross, etc. to help save lives and property. We step up to the plate and do this voluntarily without compensation.

(continued on next page)

3. Our communications are not for profit as in the business / commercial broadcast services. We are serious operators that must pass tests and understand our equipment enough to design, build, test and repair our own transceivers and peripheral equipment including our antenna systems. Our RACES and ARES operators are trained, periodically retrained, and perform periodic emergency drills to properly interface with emergency personnel and systems in our cities, counties and states.

Can you imagine a massive hurricane, a major earthquake, a devastating flood, or a terrifying wild fire that burns over thousands of acres and whole towns WITHOUT Amateur Radio operators?

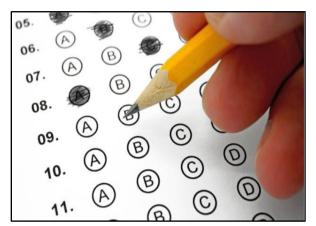
These are just a few of the reasons that I believe that the FCC should seriously consider the tremendous value that they get in return for supporting us and our "hobby" by, at the very least, reducing this large \$50.00 fee, or consider reclassifying our activities as exempt.

If you agree with the above opinion, or if you have additional concerns or points, please, make yourself heard. Maybe together we can mitigate the long term damage this could do to our valuable and worthy "hobby."

Comments are being accepted on the NPRM in MD Docket 20-270, which proposes application fees for radio amateurs. The FCC is accepting comments now on the FCC's Electronic Comment Filing System located at https://www.fcc.gov/ecfs/filings, and posting to MD Docket No. 20-270. You can also click on the FCC logo to be connected to the ECFS page of the FCC website.

Formal deadlines for comments and reply comments have not been set by the FCC.

Mark A. Cloud - W6SXA



AMATEUR LICENSE EXAMS SATURDAY OCT. 10th

The Stockton-Delta club VE team had initially scheduled a HamCram and amateur radio license exams at the Stockton Fire Department Station #2 on Saturday, October 10th, but the HamCram has now been canceled. The Fire Department notified the team late in September that the facility could not host the ham event due to coronavirus restrictions, which was somewhat expected.

As an alternative, the team intends to conduct license testing (only) on the same date at the club's normal meeting site, the Stockton Sailing Club at the west end of March Lane. That building's availability is likely, but not formally arranged by the time this newsletter was published. Confirmation and further details will be announced on our Wednesday night net, or you can get an email update after October 1st: <u>click here</u>. You might also want to monitor or check in to the Stockton-Delta club's weekly net on Monday, October 5th, at 8:00 pm on 147.165 mHz, PL 107.2.



HAM SWAP MEET

Welcome to the Lodi A.R.C. virtual swap meet. If you have any item of ham radio-related equipment that you'd like to buy, sell, trade, or find, <u>send the info</u> and we'll list it here. Include your name, call sign (if any), and email or phone number, or both. Here we go....

• 2 Carolina windoms, new with the line isolator and balun. All you need is the 10 foot section of RG8X between the balun and choke. Each is \$55, much cheaper than online. Mike, N6ZW, **N6ZW@comcast.net**.

Kenwood TS-2000 with mic., power cord, manual. 160M - 10M plus 6 & 2 meters and 70 cm, all mode. Picture on my <u>QRZ page</u>. \$700 or reasonable best offer. John, K6YK, 209-462-7391.
K6YK@juno.com

• Two Bird wattmeter 50 watt slugs: #50D, 200-500 mHz and #50E 400-1000 Mhz,. \$50 each including shipping or meet and deliver locally. John, K6YK (see above).



• Alpha-Delta <u>#DX-EE antenna</u>, 40-20-15-10 meters. Lists for \$160 new, yours for \$40.00. Dave, N6LHL, 209-477-8866, **N6LHL2@gmail.com**. Also a heavy duty transmatch, expertly built by Cliff Kurtz, N6ZU (ex-K6EKH). Tune *any* antenna. Asking \$40.00.





• Anyone doing antique radio restoration? That used to be a major sideline for me. If you're into that or would like to learn about it, start with the most popular reference set, the Bunis guides, by Marty and Sue Bunis. (Google *antique radio Bunis* for a bunch of Internet info.) I have the 3rd and 4th editions available, in nearly new condition. Very high quality, full color publications, originally \$18.95 each. I don't want to get rich on them, so contact me if you're interested and we'll figure out a deal. Ron, KG7OR, 209-712-6200, **KG7OR@arrI.net**.

• If you have a Windows 10 computer that you hate and are ready to get rid of at almost any price, I may be a taker. Any configuration: laptop, all-in-one, tower, or Surface notebook. Ron, KG7OR (see above).

• *Free:* 4-foot fluorescent ceiling fixture with 2 tubes, white metal. Used, but very clean and perfectly okay, including the tubes. Add this to your shack, garage, whatever. LED substitutes can be bought for the tubes if desired. Satisfaction guaranteed or your money back.

• Base or mobile radios: Icom IC-208H, Kenwood TM-261, Kenwood TM-281A. All 2 meters plus 440 on the Icom. \$100 each. Dennis, W6UHQ, 916-622-5814, **demerit@comcast.net**.

(continued next page)

 "BHI Noise Away," Model ANEM Mkll. Contact me for more info. \$100 OBO. Jim, WB6BET, 209-625-5771, jes@riverdeltawireless.com.

• Wanted: vintage regenerative receiver, Knight-Kit, Heathkit, etc. Dennis, W6UHQ, 916-622-5814, demerit@comcast.net.

LINE FEED



We're focused on the California QSO Party this month, but there's another state Q.P. that sparks our interest: the Nevada QSO Party on the following weekend, Oct 9-11. The goal is to work all of Nevada's 17

counties, and it's easy from here with modest HF gear. Repeater QSOs even count if you can hit one of their machines (147.15 on Mt. Rose is do-able for many). See the details on nvgso.com....Speaking of antique radio restoration, yes, I was into it big time for several years. One of my projects made front-cover news, which you can still find online if interested: click here....WB6BET reports that parachute mobile op & jumper KC6TYD will give the program for us at the November meeting; full info in the next newsletter....For all you new hams, by all means, join the fun on the 2-meter contest October 17th (see page 2). Bob, N6TCE and some helpers have crafted what should be a genuinely fun event that anyone can partake in, regardless of your experience. It should be a particularly good opportunity for the new guys/gals to get some great contesting experience without a lot of

pressure....Okay, here's the answer to that burning question from last month, what the heck does "Line Feed" mean? As I said then, the picture here is a great clue: the guy is operating RTTY on what appears to be a model 17 or 19 Teletype machine, long before anything like that was done with software. The Teletype machine was basically an electromechanical typewriter, which meant that when you got near the end of the line, you had to hit the "CR" key (Carriage Return) to move the carriage or type box to the left side of the page, then the "LF" key (Line Feed) to rotate the platen up to a new blank line. Except that with radio transmission, the time it took to move the carriage could cause lost characters on the receive end, so the operator would always hit CR twice to generate a little extra transition time. "2CR + LF" be-came standard procedure on every line for the RTTY operator. And if that all-important LF function got missed or lost in transmission, you got two lines of text overtyped on just one line on the receive end, meaning that operator there had to laboriously figure out what was on each line before forwarding the copy to the message center. Ah, the good old days of roaring machinery, heavy paper rolls, 3-in-1 oil, and punched paper tape....Until next time, 73 DE KG7OR.

Image credits in this issue:

- p. 1, 11 Lodi grapes graphic: lodi.gov
- p. 1 QST operator: W9REL on QRZ.com
- p. 2 Contest operator: www.scoop.it
- p. 2 Calendar: ThePrintableCalendar.com
- p. 4 CA map: californiaglobe.com
- p. 5 Seismograph: heraldextra.com
- p. 6,7 N6TCE, W6SXA: w6sf.org
- p. 8 test: electronicproducts.com
- p. 9 DX-EE ant: dxengineering.com
- p. 9 Stuff: stuff-buy-sell-trade.business.site All others: KG7OR

- p. 9 tuner: N6LHL
- p. 10 RTTY op: freelibrary.org
- p. 11 cartoon: Richard Parsons Productions, Canada



ABOUT THE LODI AMATEUR RADIO CLUB

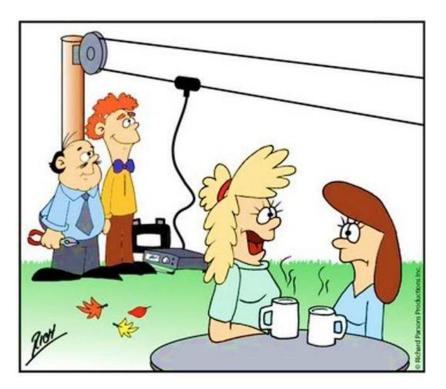
Web: <u>https://lodiarc.org</u> Email: <u>LodiHams@gmail.com</u>



Our Board of Directors and key supporters for 2020:

President: **Barry Marson, K6ZZD** Vice President: **Mike Dugger, K6AAN** Secretary: **Jim Seiferling, WB6BET** N6SJV Call Sign Trustee: **Mike Zane, N6ZW** 147.09 Repeater: **Fred Coe, WB6ASU** Immediate Past President: Emilia Seiferling, KI6YYT Treasurer and Newsletter Editor: Ron Russell, KG7OR Technical Committee: Mark Cloud, W6SXA Media Committee: Ron Simpson, N6GKJ Net Operations Committee: Bob Officer, N6TCE

THE LAST WORD



"Nate and John have been working all day on installing my new clothes line."

NOW HEAR THIS – 2 meter Sprint contest rules, continued from page 6

4. Scoring:

1 point for each complete QSO. You may contact any station only one time for contest points. All contacts are simplex only—no QSOs via repeaters are allowed. You are on your honor to operate and score your results accurately. We hams are honest.

5. Frequencies:

Use only the frequencies listed on page 2 for this contest. It is suggested to take the time to program that group of frequencies as memories in your radio.

6. Soliciting QSOs:

No prearranged QSOs are permitted! The use of any method of communications to make a preplanned QSO (i.e., phone, e-mail, text, carrier pigeon, smoke signals, drums etc.) is not in the spirit of this event. The goal of this contest is to test your ability to make contacts without advance planning. You may not transmit on repeaters or repeater frequencies for the purpose of soliciting contacts.

7. Prizes:

Certificates will be awarded for the top three scores in each category.

8. Logging Format:

Because this is a one hour contest, just log the minutes, like 00, 01, to 59. If you work more than one station within a minute, log that same minute for each station worked.

Example: I work N6AB for my first: QSO in the contest. I work AD6KU for my second QSO in the contest. My log should look like this:

MY	LOCAL	STATION WORKED		
QSO #	TIME CALL		QSO #	
1	01	N6AB	3	
2	03	AD6KU	6	

If any of the required information is incorrect or missing for a QSO, that contact is invalid and will not be scored.

See page 14 for a log form that you can download and print.

9. Score submission:

Score submissions must be received no later than <u>Sunday</u>, <u>October 25, 2020</u>. The decision of the judges is final. Send your score submission via email to: **n6tce@arrl.net**

(continued on next page)

All submissions must have:

Your Name Your Call Sign Your location	Do not send your log sheets unless requested by the judges.
Number of QSOs	
Your Operating Category (A, B	, or C – see page 6)

10. Notes:

This is will be a fun contest. The more participants, the better it will be. We trust you to be honest and a good sportsman.

The judges have 10 days after the submission deadline to request logs for any reason. If requested, the log must be sent to the judge as soon as possible.

Handwritten logs must be legible. Illegible writing for any line item will make that contact invalid.

If this contest is well received, we plan to make it a reoccurring event.

11. Operating Tips:

You can either scan the FM simplex frequencies, or you can call CQ on a simplex frequency. I would suggest calling ,"CQ Sprint" or "CQ Contest" so that others know that you're participating in a contest event.

It's a good idea to turn your squelch down or off so you can hear weaker stations.

Make sure you copy the information from your QSO correctly. If you have any question on an element of the exchange, ask for a repeat.

Hint: The exchange for this contest is simple; just call sign and QSO number. Speak each digit slowly and clearly. Consider pronouncing number 9 as "niner," and 0 is always "zero," never "oh."

Hint. Get a copy of the standard phonetics and use them. That will help new hams to clearly hear and copy your call sign. There are several good reference charts on the Internet, <u>here is one</u>.

READ THE RULES, If you have any questions about anything regarding this contest, ask N6TCE <u>before</u> the contest starts.

A great deal of thanks goes to Jim, WB6BET, for use of certain phrasing and general guidance in this effort. Nods to Dave, N6LHL for info from the contest 10 years ago.

Everyone, Have fun!

(Log form on next page)

Download and print this page for your 2-meter Sprint Contest log form.

MY	LOCAL STATION WORKED			MY	LOCAL	STATION V	NORKE	
QSO #	TIME	CALL	QSO #		QSO #	TIME	CALL	QSO #
				T T				
				1				
				-				
				+				
				+				
				-				
				+				
				-				
				-				
				-				
				1				
				1				
				- +				
				+				
				+				
				+				
				-				
				-				
				T				