



S.P.A.R.K.

Sedalia Pettis Amateur Radio Klub

September 2023
ISSUE No. 20



NEWSLETTER

Co-Editors
Connie Koch (WAØQCJ)
Brooks Baker (KAØJWA)

The latest news, views, and announcements in Sedalia's HAM
Radio Community

INSIDE

Editor's Moment
Connie (WAØQCJ)

Word From Our President
Bret (WØVK)

Nets / Frequencies

Hamfest Calendar 2023

Monthly Birthdays

Who'Zit

Tech Talk

Signing Off

By Connie Koch
(WAØQCJ)



EDITOR'S MOMENT

Greetings SPARK Members!

Well, another Missouri State Fair is in the books and we can clear our calendars for an exciting couple of months ahead. Certainly our POTA event in September and SPARKFEST in October will be opportunities you won't want to miss. Hope you are enjoying 'Chris Cross' and are working up some heated competition as well as an appetite for baked goods! Check out the 'WHO'ZIT' for this month as well. I *truly* don't think you'll figure it out! Undoubtedly, the payoffs for both are YUMMY!

Our Antenna Workshop for September, coordinated by Russ (KN6NDZ), is going to be a great one and you can preview the event in this newsletter's TECH TALK article. Russ and Steve, (WAØWUY) had a heyday putting one together as a prototype. I'm looking forward to seeing you all at our next meeting and the following events!

BIG 73, Connie (WAØQCJ)

WORD FROM OUR PRESIDENT

Hey SPARK!

We have another awesome month ahead of us! Klub meeting September 9th with ARRL Testing, Rock Island Trail POTA September 23th and a lot of planning for the BIGGIE.. SPARKFEST!! Richard and I have been working behind the scenes and feel it is going to be another blowout event, Stay tuned!

I hope everyone has had a nice summer and have found some enjoyable things to do inside with radio over the last month, since it has been so unbelievably hot. I have heard many of you talking about band conditions and who you have talked to across the country and earth, so I know many of you have made the most of these hot summer days. As for me, I feel summer has come to an end since the State Fair is over and now I look at what is in store for Fall. Luckily I am part of this really cool radio club and can always count on things to do!

If you can please attend the Klub meeting on the 9th and the Rock Island Trial POTA event this month, a lot of fun is guaranteed to be had by all!

Thank you Lori, Leo, Kelly and John for putting together this month's club event! Very Much appreciated!

See you there!

73 Bret (WØVK)

WORKSHOPS

September 9 – Antennas – Russ (KN6NDZ)

October 7 - Vara Software for digital modes - Brian (WE3MAY)

November 4 - Pi-Star Hotspot Workshop – Daren (KDØOPS)

Next Meeting – September 9th at 8:30 AM at Pettis County EOC – 1511 N Ohio St.

NETS AND FREQUENCIES

2 Meter Net – Sunday at 7:30 PM – 147.03 repeater – offset 179.9pl

75 Meter Round Table – Sunday at 9:30 AM – 3950 (3813 other times) operator Paul (KØETL)

2 Meter Net – Tuesday at 7:30 PM – Rag Chew net operator Don (KFØARQ) 2 Meter repeater 147.03 – offset 179.9pl

6 Meter Net – Tuesday at 8:00 PM – 53.11 repeater – 1.7 offset 127pl

Simplex Net – Wednesday at 8 PM – 147.575 operator Paul (KØETL)

220 Sedalia Rag Chew Net – Wednesday at 8:30 – 224.440 – 107.3pl

Live Streams 147.03 and 224.44 repeaters on broadcastify.com

HAMFEST CALENDAR 2023

10/14/2023 – SPARKFEST – Sponsor – SPARKLocation – Our Savior Lutheran Church – 3700 W. Broadway – Sedalia, MO

OFFICIAL SPARKFEST FLIER

COPY AND FEEL FREE TO PRINT, POST AND SHARE



SPARKFEST 2023

8am-12pm

Saturday October 14th in Sedalia, MO

at Our Savior Lutheran Church

3700 West Broadway

"Central Missouri's Biggest Hamfest"

Last year's event sold out quickly. Tables \$15.00

each Tailgate Spaces are \$10.00 each

☺Sparkfest is registered with the ARRL☺

Associated Radio, D&L Antena, Alpha Antena, Sew and Stitch, Salvation Army Saturn Trailer are just a few of our returning vendors this year.

General Admission \$5.00 (includes 1 Raffle Ticket)

Door Prize Drawings Every 30 Minutes

Testing will be offered at 10am

For further information contact by email:

Bret (w0vk) Club President hota2@hotmail.com

Richard (ke0qya) Club VP ke0qya@yahoo.com

Setup Friday October 13th 3pm-8pm or day of at 6am



September Birthdays
Darrell Kimball (W1TXX) 2nd
Bret Kuhns (WØVK) 5th
Brian Wood (KDØNJB) 14th



WHO'ZIT?

Several interesting facts surrounded our August Victim!
Richard (KEØQYA) successfully identified our mystery Ham as Mike Hawkins (KEØUHO). Richard said the give-away was Mike's CB radio on his bike!

- * My Mom was the *very first* Miss Sedalia!!!
- * I am a life-long Sedalian myself.
- * I was a student at SFCC the first year it was open...(Plywood 'U')
- * I studied small Brown Bats and went to caves to tag them!
- * My first job was at Tasty Freeze.
- * I was a (Boy or Girl) Scout.

WHO'ZIT? September Victim

Our September mystery member has several very interesting facts to share! Any idea WHO?

- * I do needle 'tattooing' of lace, like to tie flies, and build 3-D designs.
- * I drive an original 1994 vehicle for fun with license plate "YGRO-UP"
- * I've caught trout in 7 states and have never missed an opening day for trout season in Missouri in 50 years. I fished 20 years for walleye, 25 miles north of Ontario's last operating gold mine!
- * I've traveled to all 50 states, some as many as 20 times. In 1988 I was run out of Yellowstone Park due to a forest fire. I have walked on glaciers in Alaska and flew into there by bush pilot for a job interview!
- * I've visited Civil War Battlefields at Yorktown, Shiloh, Gettysburg, Manassas, and Pea Ridge.
- * I've viewed the USS Arizona, a WWII submarine and the inside of a B-2 Stealth Bomber Cockpit.
- * In 2022 my granddaughter was on the only girl team to win three 1st place National Events at Nike's US Track and Field Competition held in Washington State. They set a new field record in California only two weeks before.

Who Am I???? Contact Connie Connie.koch@att.net

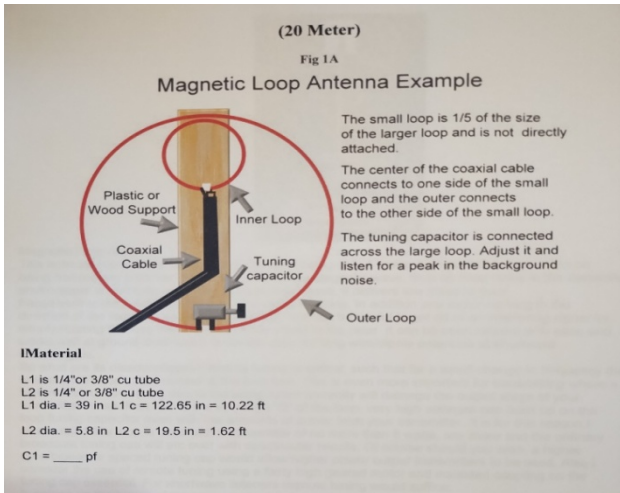


TECH TALK de RUSS (KN6NDZ)

Attached is some material for the next meeting antenna workshop. At this point the plan is to provide people with the information should they be interested in building themselves an antenna. Attached is the material available. We have variable capacitors for 5. Please note that this is a "run whatcha' brung" workshop. This is what is available. Members are welcome to bring supplies to make whatever designs/parameters they like.

Here is a link for the calculator

<https://www.66pacific.com/calculators/small-transmitting-loop-antenna-calculator.aspx>



Antenna efficiency: 51% (-2.9 dB below 100%)
Antenna bandwidth: 9.16 kHz
Tuning Capacitance: 103 pF

Capacitor voltage: 4,103 volts RMS
Resonant circulating current: 18.6 A
Radiation resistance: 0.074 ohms
Loss Resistance: 0.070 ohms
Inductance: 5.01 microhenrys
Inductive Reactance: 220 ohms
Quality Factor (Q): 764
Distributed capacity: 16 pF

Antenna "circumference": 20 feet



Side length: 2.50 feet

Antenna diameter: 6.0 feet

Comments:

The specified conductor length of 20 feet is OK.

Conductor length should be between 17.0 and 34.1 feet at the specified frequency of 7 MHz.

For highest efficiency, the conductor length for a small transmitting loop antenna should be greater than 1/8 wavelength (greater than about 17.0 feet at the specified frequency of 7 MHz).

To avoid self-resonance, the conductor length for a small transmitting loop antenna should be less than 1/4 wavelength (less than about 34.1 feet at the specified frequency of 7 MHz).





MORE TECH TALK de David (W1ØTW)

Pictured here is a 10 meter vertical 'portableish' antenna. The idea came from the Ed Fong Dual band and UHF antennas that I'm currently using on my roof for my base station radios. The original idea was for it to be self supported, however that quickly proved to not be possible. So, I built a guying system for it out of a piece from the kid's out door toys. As it is a 1/2 wave antenna it does not require any ground radials. The base will also be used for a future 6 meter antenna of the same design.

With Adam's (KE0VHO) help last Friday, we got it finished and tuned. It wound up being short so we had to add wire at the top and then finally added a load of sorts to get it as close as possible. It wound up at 2:1 @ 28.400. At that point we wanted to see if it would perform so we hooked it up and started listening to the 10 meter band. Almost immediately we heard a station out of The Dominican Republic!!! Just for kicks, Adam threw out his call (not expecting a response). The gentleman immediately repeated back Adam's call (the contact was not completed) but it was obvious that he heard us!

I am very excited about how this ugly duckling performed and am looking forward to seeing how it does at the next POTA event!



BRAINSTORM
creative



S.P.A.R.K... WHERE GENEROSITY THRIVES

Who *ever* could have expected or even *imagined* the windfall of generosity that chanced upon our Klub at the August meeting! It is a statement of allegiance and dedication to our hobby when gifts are given so unselfishly by members as well as an anonymous stranger. All of this equipment will be instrumental to insure the future of our commitment to provide the best emergency response possible.



After months of discussion regarding the need for a viable system of generators for our E-Com trailer, Harry (KØTV) stepped up to the plate surprising the Klub with 2 brand new DuraMax XP2300 generators! They can be utilized separately or in tandem to provide a greater power source.



An anonymous donation of a gently used Icom 7300 HF radio was thankfully accepted by the Klub for use in the E-Com trailer. We may never know of this person's identity but all at SPARK say many thanks to our benefactor! To round out the full package, Bret (WØVK) made a donation of a brand new antenna tuner for the 7300! Thanks to ALL!

Welcome!

©DESIGNALIKIE



We welcomed lovely guest of Scott (NØPCT) and invite her back to be with us any time!



POTA PARTY FARRINGTON PARK-WINDSOR SEPTEMBER 23rd, 2023

HOSTED BY Lori (KFØIHX), Leo (LFØIHY), John (KI7CMV) & Kellee' (KM7BEL)

NOT TO BE MISSED! GATHER AT THE TRAIN CABOOSE
Intersection of Hwy 2 and WW

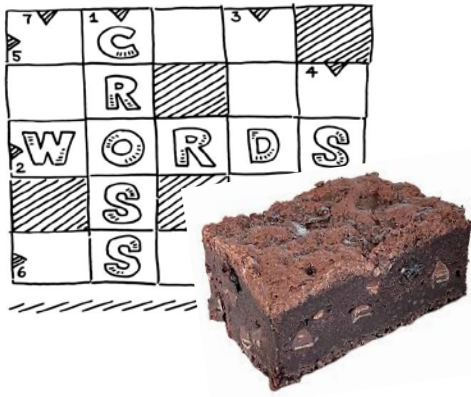


In April 1900, local Windsor businessman Ed Willoughby had a vision. Windsor needed a lake and park. A place where, in the summer, people could boat, fish, swim, picnic, hold gatherings and, in the winter, a place to cut ice.

In late 1903, the Rock Island railroad was building grade and laying tracks headed for Windsor from the east side of the state and on to Kansas City. By late March of 1904, it was reported that the work on the big reservoir east of Windsor would be completed in a few days. Within a month's time, Ed Willoughby had met with General Superintendent W. E. Morse of the Rock Island railroad and he consented to allow the town citizens to take charge of the grounds and reservoir for the purpose of converting them into a first-class pleasure resort. The railroad only needed use of the lake to supply water for their steam locomotives. Windsor became the proud owner of its City Park and Lake on July 25, 1954. On this date, J.W. Barriger, Vice President of the Rock Island Lines, officially turned the park over to the city in a ceremony held at the park. The park was officially named "Farrington Park", honoring J. D. Farrington, the Rock Island President.

Fast forward to today. Farrington Park, often referred to as the "Crown Jewel of Windsor", is used for many of the City's festivities, including the Fourth of July celebration, a lighted Christmas display, family reunions, weddings, and many other occasions. The Katy Trail is a short distance from the park and the new Rock Island Spur of the Katy Trail runs adjacent to the park.

Farrington Park Lake is on a tributary of Elm Branch River in Pettis County, Missouri, with a normal surface area of 15 acres. Farrington Park Lake Dam is of earthen construction, rock fill. Its height is 26 feet with a capacity of 209 acre feet and normal storage is 85 acre feet. It drains an area of 752 square miles. The Missouri Department of Conservation, in cooperation with the City of Windsor, monitors the lake, restocks fish as needed and makes recommendations on maintenance of the lake.



CHRIS' – CROSS !

de (KCØTKS)

PUZZLE FANS! New and improved directions for your puzzling pleasure! Instead of imposing a time limit on your successful completion of the puzzle, Chris is extending the offer to one month OR until he has a WINNING submission! That gives you more time to 'PUZZLE PONDER'! Send photo verification to Chris at: admin@wa0sdo.org right away and set claim to your prize! Puzzle will be available on

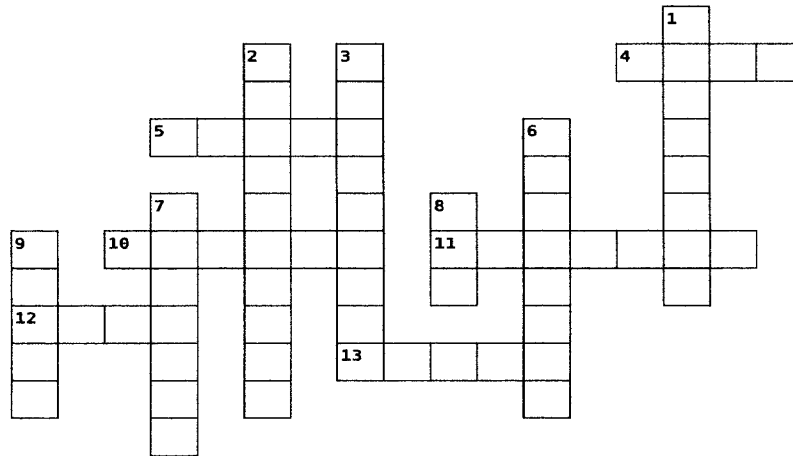
SPARK website for easy download to print! Chris will post the puzzle solution and winner's name at the time the puzzle has been solved. Brownie prize to be delivered at following meeting.

(BTW...if there is no winner, guess who gets the brownies????? Yeah...that would be CHRIS!)

AUGUST PUZZLE WINNERS WITH THEIR COOPERATIVE EFFORT

Mark (NØOWZ) and Renda (KBØUVW)

SPARKword puzzle - Sept.



Across

- 4. Directional
- 5. Code
- 10. Simple antenna
- 11. Point-to-point
- 12. League
- 13. Manufacturer

Down

- 1. Signal extender
- 2. Antenna orientation
- 3. Hertz
- 6. Antenna metal
- 7. Radio email
- 8. Contact
- 9. WAS, etc

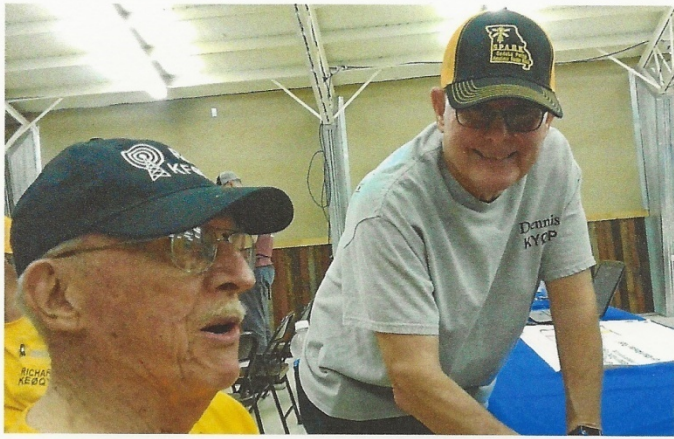


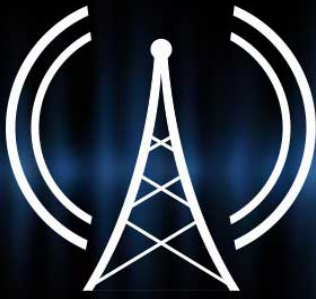
WARRENSBURG AMATEUR RADIO HAMFEST August 5, 2023

How impressive that 30 of our SPARK members were in attendance to support our Ham Friends and Operators to the West! Great Hamfest, WAARCI! Thank you for your gracious hospitality!









AMATEUR NEWSLINE

Devastating Hawaii Wildfires Prompt Response from Amateur Radio Emergency Service

08/12/2023

ARRL The National Association for Amateur Radio® is closely following updates from the Hawaii Amateur Radio Emergency Service®, [Hawaii ARES®](#), as amateur radio operators respond following deadly wildfires on the Hawaiian island of Maui.

On Tuesday, August 8, wildfires, fueled by the strong winds of Hurricane Dora, were burning in Maui and Hawai'i Counties. By the next day, much of Lāhainā on Maui had been destroyed.

ARRL Section Manager Joseph Speroni, AH0A, who serves the Pacific Section including Hawaii and US territories in the Pacific, sent a message to members across the Section on Wednesday. "The suddenness of the Maui Disaster is shocking. It affects us all," he said. Speroni said it was difficult to know immediately the status of radio amateurs and equipment on Maui, including repeaters and gateways. "Sadly, there are now confirmed deaths and several of our ham friends have lost their homes."

Speroni reported that the ARRL Hawaii ARES website, <https://hawaiiares.net>, was modified to provide the latest emergency communications news. The website includes updates on Maui's amateur radio and communication infrastructure, including affected and operational radio systems, repeaters, and other emergency communication details.

"Wildfires have affected phones, internet, and cell services across Maui. VERY Limited Cell contact was established with Lahaina or its ham operators due to burned fiber lines and VERY limited hams in the area," included one of the updates.

Hawaii has many amateur radio repeaters and an extensive internet-linked repeater system, including KH6COM, a VHF/UHF Maui countywide system with emergency backup power. An update, as of August 11, 2023, shares that the KH6COM repeater system is operational in Central Maui, Haleakala Summit, Lanai, and Molokai. "Repeaters on the Whaler and Kaanapali Beach Hotel lost linking due to fiber optics cables burned. Those in Lahaina can utilize the Pu'u O Hoku Ranch repeater at the East end of Molokai."

"Our thoughts and prayers go out to the people of Hawaii and especially the Island of Maui," said ARRL Director of Emergency Management Josh Johnston, KE5MHV. "[ARRL] was in initial contact with Section Manager Joe Speroni, AH0A, on Wednesday, August 9, and we have had daily briefs with him. This is an exceedingly challenging time for Hawaii, and we will be available as needed." ARRL has offered equipment available through ARRL Ham Aid, a program established in 2005 and funded through donations that makes emergency communications equipment available on loan to amateur radio organizations during disaster response when communications equipment is unavailable.

Johnston emphasized that most of amateur radio communications, including any messages being relayed, are being handled on the existing repeater system in the state. On shortwave, HF stations across Hawaii are operating nets on 7.088 MHz.

The Federal Emergency Management Agency (FEMA), on Saturday, August 12, [reported](#) that "more than a dozen federal agencies and departments are mobilized to assist state, county, nonprofit and private sector partners to help the people of Hawaii with recent devastating wildfires. Personnel from FEMA, federal agencies and voluntary organizations are arriving daily to Hawaii to support active response and initial recovery efforts."



THE HOBBY OF THE RICH AND FAMOUS!

How many of these famous people did you know were Hams!
Some, unfortunately, are silent keys but we remember them still.

Chet Atkins – (W4CGP) Country music musician: was very active in Amateur Radio and was said to have a radio set up in his kitchen!

Ronnie Milsap - (WB4KCG) American country music singer and pianist from North Carolina. Hits were 'Smoky Mountain Rain' and 'Lost In the 50's Tonight'.

Joe Walsh - (WD4LZC) American guitarist, singer and songwriter – However, best known as member of the rock band "Eagles."

Tim Allen – (KK6OTD) Actor, comedian – Known for roles in "Home Improvement" and 'Last Man Standing'. His Ham shack is often visible in the background set of 'Last Man Standing'.

Priscilla Presley – (NY6YOS) Widow of Elvis Presley and an actress and performer in her own right.

Walter Cronkite - (KB2GSD) CBS Evening News commentator – Obtained his license after retiring from CBS, primarily, to have another form of communication while on his sailboat.

Jean Shepherd – (K2ORS) Wrote and narrated that classic film, "A Christmas Story" with that famous line emblazoned in our memories, "You're gonna' shoot your eye out!"

"Peggy Sue" – (K5PSG) Buddy Holly wrote the song "Peggy Sue" about his Texas girlfriend. Tragically he, Richie Valens, and 'The Big Bopper' were killed in an airplane crash in Iowa in 1959. Known for: 'That'll Be The Day', 'It's So Easy to Fall in Love' and 'True Love Ways'. Note: "Peggy Sue" was the Ham Radio Operator!

Marlon Brando - (KE6PZH) This late actor once used his Oscar as a door stop!

Bob Ringwald – (K6YBV) Last name *ring* a bell? He was a jazz band leader but best known as the proud dad of Molly Ringwald. (Movies - 'Sixteen Candles' and 'The Breakfast Club')

King Hussein of Jordan - (JY1) Used his first name when 'playing radio', but his loyal subjects addressed him as 'Your Highness'. Used radio to escape the demands of royalty.

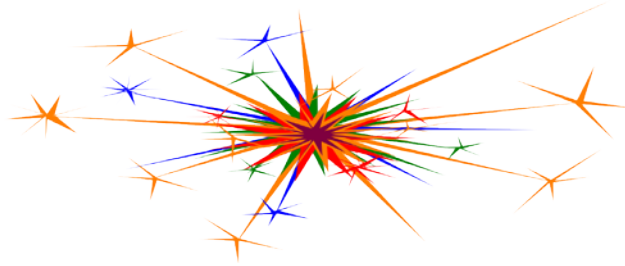
Barry Goldwater - (K7UGA) Senator Goldwater ran thousands of phone patches through his station enabling Viet Nam soldiers to talk with their families back home.

Jim Croce - (WN3OQW) Folk and Rock singer & song writer. 'Time in a Bottle', 'I'll Have To Say I Love You In A Song', and 'Operator'.

Patty Lovelace - (KD4WUJ) Country singer from Kentucky. Known for: 'Lonely Too Long', 'How Can I Help You Say Goodbye?', and 'Blame It On Your Heart'.

Burl Ives – (KA6HVA) Actor, Folk Musician Oscar winner. 'Holly, Jolly Christmas', 'Itty Bitty Tear', and 'Riders in the Sky.'

Hugh Downs - (KD6WUS) Actor, Writer, Radio Broadcaster, TV Game Show Host: 'Concentration,' 'Tonight', '20/20'.



WE ARE YOUR SPARKLERS!

Poised to assist in your time of need, we are at your service!

The Sisterhood

As you face life's challenges
And go about your day
A Sister who you do not know
Is sending love your way.

And as the day turns into night
And you lay down to rest
A Sister who you've never met
Is praying you'll be blessed.

Not out of pity or sympathy
But out of a love that's true.
An army of Sisters, side-by-side
With thoughts and prayers for you.

Be encouraged

SIGNING OFF WITH BROOKS (KAØJWA)



Helpful Hint

Test Your Coax even though you think it is good! One test you can do especially if it is a long length of coax is to use a Dummy load and move the Power/SWR meter to the Dummy load end of the coax where the antenna would be connected and compare the power at the transmitter end to the antenna (dummy load) end and that will give you a loss number that might help you in troubleshooting at a later time. If the loss is very low, the 2 readings will be very nearly the same on either end.

This works well especially if you suspect your power is not getting out.

You told me
you had lots
of money
invested

YEAH IN
HAM RADIOS



QRT FOR NOW! de WAØQCJ es KAØJWA

