

ARRL – ARIZONA

January 2024



PRESENTED BY:

Rick Paquette W7RAP

ARRL SECTION MANAGER : ARIZONA



ARRL *The national association for
AMATEUR RADIO*

THE AMERICAN RADIO RELAY LEAGUE

AS YOUR REPRESENTATIVE TO THE NATION AND THE WORLD
PROTECTS AND PROMOTES HAM RADIO ACTIVITIES AND INTERESTS

ADDRESS: LOCAL, REGIONAL, STATEWIDE, NATIONAL, AND INTERNATIONAL
ISSUES RELATING TO COMMUNICATIONS

DEFEND: FREQUENCY ALLOCATIONS, PROPERTY RIGHTS, OPERATING
RESTRICTIONS AND MEMBERS

INTERCEDE: USAGE RESTRICTIONS (DISTRACTED DRIVING LAWS, HOA RESTRICTIONS)

PROMOTE: LOCAL, REGIONAL, STATE, NATIONAL, AND WORLDWIDE ACTIVITIES
OUR IMAGE TO THE MEDIA, AND POLITICAL ARENAS

PROVIDE: EMERGENCY MANAGEMENT SERVICES AND SUPPORT ACTIVITIES
TO CITIES, STATES, AND NATIONAL AGENCIES

INFORM: KEEP US UP TO DATE ON IMPORTANT ISSUES AND ACTIVITIES

PUBLISH: FOUR MONTHLY MAGAZINES, HUNDREDS OF BOOKS,
MATERIALS, AND TRAINING PROGRAMS



THE AMERICAN RADIO RELAY LEAGUE

ARRL LEADERSHIP CHANGES :

CEO DAVID MINSTER (NA2AA) ,



MAJOR CHANGES MADE IN ARRL MANAGEMENT

New Director Of Operations, Bob Nauman

New Field Services Director, Mike Walters New ARES Director, Josh Johnston

Upper Echelon Retirements and Reassignments

SM EXECUTIVE WORKING GROUP ESTABLISHED

CEO- David Minster, Director of Operations - Bob Nauman

Field Services Director- Mike Walters, - Directors , - Section Managers

ARRL- SMs now within HQ staff operations:

Monthly Microsoft Teams FSWG Meetings, Section Manager forums .

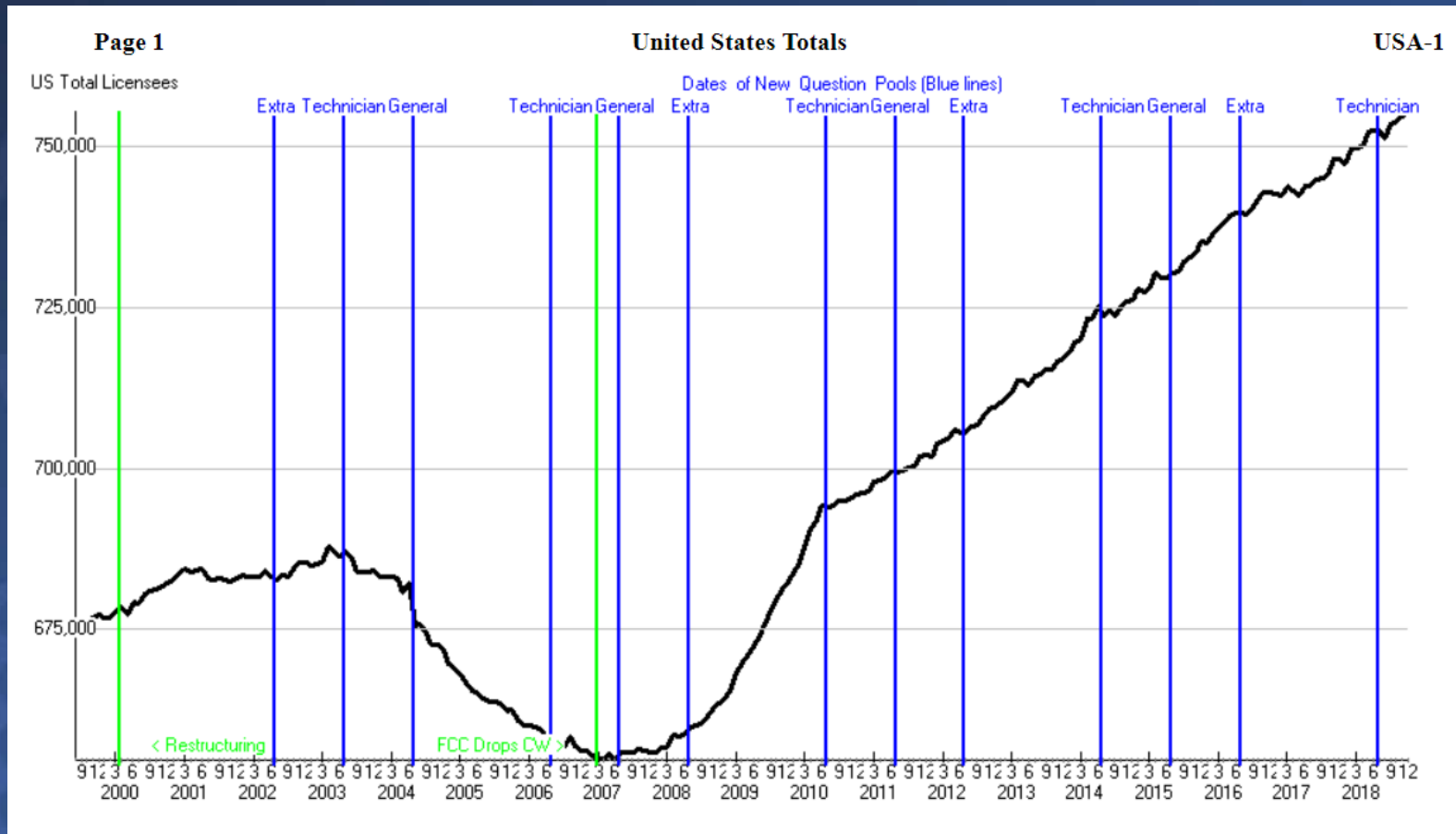
Changes implemented, Club Coordination, ARES Director, New IT Director

ARRL Website Makeover :

Server, Webpages, Access, Search Engines, Response Methodology

Consolidations / Changes In Operations / Reporting Protocols Changing

IS HAM RADIO DYING ?



SOURCE: AE7Q Database 09/13/23

849,066 as of September 30th !!
0.8% Growth Rate

HAM RADIO IS (STILL) GROWING STRONG IN ARIZONA

24,303 HAMS IN ARIZONA - 9TH LARGEST IN USA

631 New Hams in Arizona in the past year

Arizona Clubs are doing a fantastic job !

VE Teams, Instructors, Club Organizations and Elmers

FCC Statistics do not include recent relocations :

W6 – “Immigrants” PLUS ! SNOWBIRDS

Because incoming Hams do not update their FCC information

**AZ = #2 in USA In State per-capita Hams
.29% of AZ population are Hams**

WA= .49% MI= .22% OH= .26%

TX = .18% FL= .22% NC= .22% NY=.1%



WHAT HAS CHANGED ?

THE WORLD HAS CHANGED

Radio Frequencies are PRICELESS ! Worldwide demand for spectrum is growing !
The Social Media is perceived by many as replacing Amateur Radio !
Radio is not just a form of communication anymore, It runs things remotely
The “Smart Phone” is really a radio, Texting is just a form of digital communication
Young People don’t communicate less – They communicate MORE THAN WE DO !
Amateur Radio isn’t just voice- AREDN /Winlink provide Data / Internet services.

HAM RADIO HAS CHANGED

There are MANY new activities that Hams pursue:

Emergency Services (ARES), Public Service Events, Search and Rescue,
SkyWarn activities, Traffic Handling, Training, VEC Activities, AMSAT,
Near-space Balloon launches, Robotics , Maker-Fair Events,
Remote Operations (NPOTA), GOTA events (Field Days) APRS, Packet Radio,
Contesting, Geo-Caching, Digital Communications , , ,

There are many more Hamfests and Conventions, (24 in AZ alone)

There are many more Clubs and Organizations, (45 Clubs in AZ , 3-more this year)

Many companies have helped develop and grow the fun:

Gordon West Amateur Radio School, HAM TEST Online, QRZ



WHAT HAS CHANGED ?

WE HAVE CHANGED

A new demographic of Ham Operators is emerging:

They don't just sit at a desk and Rag Chew anymore

Many are professionals with a wide variety of interests.

A great number are active women and young adults

Many are becoming Hams to help their community -
and to enjoy the EXCITEMENT

These new Hams want to use their talents to help others

All Astronauts (Worldwide) are HAM Radio Operators

Emergency Support Organizations now strongly encourage

or require Amateur training. ICE, Police Cadets, AZ Rescue Associations

Schools and Educational Support Agencies recognize the benefits of Ham Radio:

STEM Activities, Tribal Interaction Groups (Code Talkers), Scouting.

Communities and State Agencies are recognizing the benefits of utilizing Ham Radio



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**HAM RADIO HAS BECOME
AN IMPORTANT ACTIVITY
TO A LOT MORE PEOPLE**

WHAT DO HAMS DO IN ARIZONA ?

Emergency Operations: Help staff, equip, and maintain the EOCs

Participate in emergency exercises and drills

Support NWS, NOAA, "SKYWARN", "RAWS"

Configure and maintain Communications/ Emergency Radio systems

First-Responder Coordination Equipment: Repeaters, AREDN

Conduct Training Programs and certification for Emergency Operators

Work with local Municipalities : Counties, Cities, US Agencies (ICE, FEMA)

Red Cross



FEMA/DEMA



Arizona Rescue Associations (SARA)



Jeep Posse



We Support Communications at Major Events:

El-Tour De Tucson Route 66 On The Air,

Bicycle and Running events throughout Arizona

International Off-Road Bike events: Prescott, Show Low, Oracle

Event – Days at local happenings:

Pima Air/Space, Titan Missile Museum, Science Fairs, Schools

Organize activities for Students: STEM, Kids, Scouts, ARISS , SERT Events



WHAT IS HAPPENING IN ARRL-AZ

Loss of Hamfests/Conventions: MAJOR ISSUE

Yuma Hamfest: Cancelled, Maricopa Hamfest/Convention: Cancelled

New Hamfest/Convention Startup: Flagstaff July 15 2023, NADXA

Grants: ARRL, ARDC, ARCA

Role of ARCA integrated into ARRL-AZ Club activity

Forest Service fees: No action

PRO-Ham legislators: Debbie Lesko, Paul Gosar, Juan Ciscomani Kyrsten Siner

VOTA: W1AW/7 events this year

AZQP: AZ QSO Party successful: ARRL-AZ Contributes Plaques for winners

Re-invigorating staff: New ASM for Radiosport Activities

New Public Information Officer:

More help: Nevada SM to Cochise, Wyoming to Mesa, Santa Barbara to Prescott



WHAT IS HAPPENING IN ARRL-AZ

ANOTHER COMMENDATION FROM THE GOVERNOR'S OFFICE

GOVERNOR DOUGLAS A. DUCEY

STATE OF ARIZONA

★

PROCLAMATION

WHEREAS, on June 2022 the American Radio Relay League (ARRL), the National Amateur Radio organization in the United States, holds its Arizona State convention, in Prescott, Arizona, where federally licensed amateur radio operators from across the state gather to share knowledge, train operators in civil and governmental support roles, conduct federal exams testing, and exchange and research equipment development among themselves and community organizations; and

WHEREAS, during the fourth week of June, radio amateurs participate in the nationwide ARRL Field Day emergency exercise, wherein many thousands of operators across the Nation and throughout the world, simulate emergency operations in remote locations, and public places to demonstrate Amateur Radio's emergency communication capabilities, and includes participation of community leadership, law enforcement, fire and border protection agencies, Red Cross, and the Federal Emergency Management Agency operatives, and many other agencies throughout the state, and the Nation, The ARRL Field Day combines community outreach, public service, emergency preparedness, and technical development activities, all in a single coordinated event; and

WHEREAS, amateur radio operators conduct formal training and evaluation of members of organizations including Community Emergency Response Teams, Amateur Radio Emergency Service personnel, rescue and border protection agencies, and municipal Emergency Operations Center operators, such as those who coordinate operations during fires and include simulated national and state emergencies; and

WHEREAS, each year they issue awards for Ham operator of the year, Young Ham of the year, award numerous scholarships to incentivize youth to Science, Technology Engineering and Mathematics careers, and recognize those in their ranks that have made significant contributions to communities, organizations, agencies and educational development.

NOW, THEREFORE, I, Douglas A. Ducey, Governor of the State of Arizona, do hereby proclaim June 2022 as

AMATEUR RADIO MONTH

IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Arizona

Douglas A. Ducey
GOVERNOR

DONE at the Capitol in Phoenix on this sixth day of May in the year Two Thousand and Twenty-Two and at the Independence of the United States of America the Two Thousand and Forty-Seventh.

[Signature]
SECRETARY OF STATE



WHAT IS HAPPENING IN ARRL-AZ

ARIZONA LEGISLATORS DECLARE NATIONAL AMATEUR RADIO DAY: 18 APRIL, 2023

US Representatives Debbie Lesko, Paul Gosar Introduce Legislation.
ARRL Lobbyists Working With Congressional Panels: JR Stratton, Fred Hopengarten
ARRL-AZ Meetings With Representatives To Educate And Endorse Efforts

ARIZONA AMATEUR RADIO IS PROMOTED BEFORE CONGRESS



Congresswoman Lesko lauded the ARRL and ARRL Arizona for their public support before US Congress on the Eve of Field Day.

Hon. Debbie Lesko Featured at De-Vry Hamfest

Congresswoman Lesko attends the 7 April Hamfest



U.S. HOUSE
REP. DEBBIE LESKO
R-Arizona, 8th District
Peoria, Surprise, Anthem

Congresswoman Debbie Lesko 
Public Official · June 23 · 

I am proud to recognize amateur radio operators in Arizona and across our nation who provide critical emergency communication services during natural disasters. They are an important part of our communities, and I hope ARRL - the National Association for Amateur Radio has a safe Field Day this weekend!



WHAT IS HAPPENING IN ARRL-AZ

ARIZONA LEGISLATOR INTRODUCES BILL TO UPDATE FCC REGULATION

Congresswoman Debbie Lesko (AZ-08) introduced a bill in the U.S. House of Representatives (H.R. 9664) on December 21, 2022, to require that the Federal Communications Commission (FCC) replace the current HF digital symbol rate limit with a 2.8 kHz bandwidth limit.

After being petitioned by ARRL The National Association for Amateur Radio® in 2013 (RM-11708) for the same relief, in 2016 the Commission issued a Notice of Proposed Rulemaking (WT Docket No. 16-239) in which it agreed that the HF symbol rate limit was outmoded, served no purpose, and hampered experimentation. But the Commission questioned whether any bandwidth limit was needed in its place. Most amateurs, including the ARRL, objected to there being no signal bandwidth limit in the crowded HF bands given the possibility that unreasonably wide bandwidth digital protocols could be developed, and since 2016 there has been no further FCC action.



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WHAT IS HAPPENING IN ARRL-AZ

In conjunction with introducing the legislation, Congresswoman Lesko stated that "With advances in our modern technology, increased amounts of data can be put on the spectrum, so there is less of a need for a regulatory limit on symbol rates. I am pleased to introduce this important piece of legislation to update the FCC's rules to support the critical role amateur radio operators play and better reflect the capabilities of our modern radio technology."

ARRL President Rick Roderick, K5UR, hailed introduction of the bill. Roderick stated that "the FCC's delay in removing this outdated restriction has been incomprehensible, given that the biggest effect of the delay is to require totally inefficient spectrum use on the already-crowded amateur HF bands. I hope that the Commission will act to remove this harmful limitation without waiting for the bill to be passed."

ARRL Legislative Committee Chairman John Robert Stratton, N5AUS, added that "the symbol rate limit hampers experimentation and development of more efficient HF data protocols by U.S. amateurs. For all practical purposes the field has been ceded to amateurs outside the U.S., where there is no comparable limit. Removing the restriction not only will allow U.S. amateurs to use the most efficient data protocol suitable for their purpose, but it also will promote and incentivize U.S. amateurs to experiment with and develop even more efficient protocols."



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WHAT IS HAPPENING IN ARRL-AZ



ARRL The National Association for Amateur Radio

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BREAKING NEWS: [ARRL](#) reports that earlier today, the FCC Commissioners unanimously voted to amend the Amateur Radio Service rules to replace the baud rate limit on the Amateur HF bands with a 2.8 kHz bandwidth limit to permit greater flexibility in data communications.

"We agree with ARRL that a 2.8 kilohertz bandwidth limitation will allow for additional emissions currently prohibited under the baud rate limitations while providing sufficient protections in the shared RTTY...

[See more](#)



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WHAT IS HAPPENING IN THE ARRL

NEW ARRL MEMBERSHIP FEES, CHANGES

ARRL announces increases in Membership fees, \$10 more (20%) in 2024
Similar increases in Family, Student and International rates

New Life Membership and >70 age applications suspended **PRO-TEM**

Extreme increase in publication costs for Magazines:

Mail-out copies of publications will cost \$25/year additional

All 4 Magazines continue to be available free on-line:

QST, NCJ, OTA, QEX

Accommodation for already-paid subscriptions:



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WHAT IS HAPPENING IN THE ARRL

FCC R.F. EXPOSURE ASSESSMENT RULES CHANGES

FCC Issues New Exposure Assessment Rules – In Effect Now

Include Assessments For All Transmitters:

New Techs Are Already Affected

Clubs Should Be Helping Members And New Hams Comply

ARRL-AZ Website Has New Requirements Documents

**-PLUS - Excellent Presentation On How To Comply
By Carl Foster ARRL-AZ Tech Coordinator**



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WHAT IS HAPPENING IN THE ARRL

ARRL ANNOUNCES CLUB GRANTS PROGRAM

ARDC funds \$500,000 for grants to clubs for worthy projects

Up to \$25,000 per application to help clubs provide and expand their services

Began April 22, 2022



ARRL-AZ Applied for grant to re-invigorate hamfests
\$ 25,000 for a two-year program:

Provide funding for Facilities, Materials, Media/Website support, Signage
Grant to be issued to ARCA to administer.

ARRL Funds program for Re-Invigorating Division Conventions:
\$ 150,000 for supporting / re-invigorating Events
Initiated by a request by S/W Division Director N6AA



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WHAT IS HAPPENING IN ARRL - AZ

NEW HAMFESTS !!!

NADXA Conducts FLAGSTAFF 2023 HAMFEST: 15 July 2023

Concept born at Quartzfest 2023

Great first-time event: Many new innovations and improvements

NADXA asking for other clubs to support (Kachina, Hill Country have)

Good way to train newbies for Hamfest activities

Green Valley ARC initiates new Hamfest February 24 2024

Valley Presbyterian Church

ARRL promoting sites for new hamfests:

Show-Low, Bullhead, Yuma

Show-Low Mayor Rick Fernau (KR1CKF), and his wife Kim

Both new Hams - Also Kachina ARC members.



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WHO ARE THE MOST IMPORTANT HAMS ?

Who are the most important hams in your club ?

What is the obligation of experienced hams in every club

“ELMER” Special Interest Groups should expand their scope

Elmers shouldn't just train Amateurs in Radio

New Amateurs do not know what we do or how we do it

Give **EVERY** new ham a job to do **Right Away**

Hamfest help, SERT events, Club activities:

Let them know... **WE NEED YOU !**

Don't ask them to volunteer – Give them a job to do

Make **them** be the task owner,

Have the “experts” be their mentor

Follow-up on their activities...

Keep a roster of every new Ham's progress

Make their first year's club membership free



WHO ARE THE MOST IMPORTANT HAMS ?

ACTIONS:

ARRL-HQ Contact New Hams, questionnaire, personal follow-up

ARRL-AZ Provide lists of new Amateurs to clubs for recruitment:
Use Zip Codes for location.
Make recent copies of QST and ARRL materials available to VE teams for handing to new Hams at the test sessions

Clubs: Use Social Media to contact new Hams and Solicit membership and activity
Offer Reduced / Free membership to potential members
Assign a position / responsibility / task to each new member
Assign the mentoring task to the former task performer
Announce / recognize the new task assignment at the next meeting
Have them report on their progress at each meeting



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THIS IS A FORUM

QUESTIONS ??

COMMENTS :

CONCERNS

SPEAK UP !!



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