

# Speaker and Author Biographies

## **Norman Grody**

Norman C. Grody received the B.E.E. degree from the City College of New York in 1962 and the M.S. and Ph.D. degrees in electrical engineering from New York University in 1964 and 1972, respectively. From 1964 to 1966 he was a Research Associate at New York University with the Department of Electrical Engineering. He then joined C.B.S. Laboratories in Stamford, Conn., from 1966 to 1967 where he studied electro-optic effects in crystals for applications in laser imaging systems. The following year he joined ITT Federal Laboratories in Nutley, New Jersey as a microwave engineer, designing antennas and components for aircraft and ground-based communication systems. From 1968 to 1971 he returned to New York University to complete research on the linear and nonlinear impulse responses from laboratory plasmas, which lead to his Ph.D. degree. Upon receiving his Ph.D in 1971 he joined NASA, Goddard Space Flight Center in Greenbelt, Md. as an electrical engineer, where he was first introduced to the application of microwave radiometry from space platforms for monitoring the Earth. Following 1972, until his retirement in September 2005, he has been with NOAA/NESDIS in Camp Springs, Md., where he developed algorithms for retrieving atmospheric and surface parameters from satellite based microwave radiometers, and was instrumental in the design of the Microwave Sounding Unit (MSU) and Advanced Microwave Sounding Unit (AMSU). Throughout his thirty-four years at NOAA he performed research using data from almost every passive microwave instrument developed by NOAA, NASA and the U.S. Department of Defense, and studied all aspects of microwave radiometry. Dr. Grody was awarded two Silver Medals and a Bronze Medal from the U.S. Department of Commerce for his many achievements. Contributions also included the publication of more than fifty peer-reviewed articles in the scientific literature, many of which describe unique applications of microwave radiometer data in meteorology, oceanography and hydrology. Dr. Grody also served on a National Research Council (NRC) panel for Reconciling Observations of Global Temperature Change, and was a member of the Microwave Operational Algorithm Team (MOAT) to provide scientific guidance to the Integrated Program Office (IPO) for developing a Conical Microwave Imager Sounder (CMIS).

## **Glenn Robb, KS4VA**

Glenn Robb is the Founder and Principal Engineer at Antenna Test Lab Co  
[www.AntennaTestLab.com](http://www.AntennaTestLab.com)

Glenn is an EE who has been working professionally with antennas for 30 years. He has a passion for testing antennas and providing customer insights. Day to day, he runs the anechoic chamber at Antenna Test Lab Co and is responsible for hundreds of

customer antenna evaluations. Glenn also designed all of the lab's custom software and test hardware configurations for accuracy, speed, and cost-effectiveness.

[Glenn@AntennaTestLab.com](mailto:Glenn@AntennaTestLab.com)

## **Tom Williams, WA1MBA**

Tom Williams was first licensed at the age of 14 as K1URO. He earned his Ph.D. in Computer Science from the University of Massachusetts in 1981, and has founded several product companies in the areas of millimeter wave imaging and image understanding. He lives in Massachusetts, and is presently consulting for a drone company in Kansas. Tom has decades of experience designing and implementing systems which operate in the EHF spectrum, and in the 1990's achieved the first QSOs on the 145 and 120 GHz bands. Tom is a member of the North East Weak Signal group, has had the pleasure of creating and administering the Microwave email reflector, and has built a number of 78 GHz LNAs for the amateur community. He has numerous technical publications and five patents. His favorite annual activities are the 10GHz and up contest, Red Sox Spring Training, and various ham radio meetings including the Microwave Update Conference.

## **Ken Kent , KA2LIM**

First licensed in January 1980, I was immediately introduced to 6 and 2M SSB and CW by a pioneer of 6M, John Mulligan- W2RTW now a SK, and was hooked immediately.

Because of a family business (dairy farm) and a career in the military (US Army), my operating time was limited and ceased completely in 1991 because of travel commitment to the Army and home business. Back on the air in late 2000, after retiring from the U S Army after 29 ½ years, I was back into VHF/UHF and the rest is history. I hold 6M VUCC #97 plus a bunch of other wall paper and then stopped chasing paper.

Have done some limited roving and have activated a few rare grids in years past. Over the past 10 years I have devoted much of my time into building the K2LIM Contest station, located in FN12mg, which started as a Limited-Multi Op and has progressed into a Unlimited Multi-Op station today. I really like building.

I once said I would never get into or on the microwave bands but "I have to eat those words now".

Went on my first 10GHz rove in August 2016 and had a blast, it is all Warren, WB2ONA's fault. Thus, the plan and idea started to build a rover

for 10GHz operation and it has morphed into a 10 band rover which I will show you all today.

## **Wayne Overbeck, N6NB**

First licensed in 1957, Wayne Overbeck has been interested in VHF+ operating, and especially portable contesting, for almost 60 years. He won the Radio Amateur of the Year Award at the Dayton Hamvention in 1980 as well as the ARRL Technical Excellence Award and the John Chambers Memorial Award of the Central States VHF Society in 1978. He won the Chambers Award again in 2015. He holds Ph.D. and J.D. degrees and is a retired Professor of Communications at California State University, Fullerton.

## **Andrea Slack, K2EZ**

Andrea Slack, K2EZ has been licensed since 1980. Her introduction to amateur radio occurred at age 15 when her father invited her to attend an introductory session of a novice license class the local Amateur Radio club was hosting. She continued to attend with her father they both earned their licenses.

For many years Andrea was primarily a CW op and she developed an early interest in experimenting with antennas. She has also dabbled in wide ranging aspects of amateur radio including DXing, contesting, satellites, digital communications, traffic handling, RACES, VHF weak signal, FM and repeaters.

Amateur radio has also been influential in Andrea's choice of career and has opened many doors and opportunities throughout the years. She currently works as an engineer doing mixed analog, digital and microprocessor controls.

In recent years Andrea has discovered a passion for VHF roving and mobile ops. She has three national first place VHF contest wins in the limited rover category and currently holds the record for the most number of grids activated in a VHF contest. She has set half a dozen limited rover division score records and was one of the top activators in New Jersey during the National Parks On The Air.

## **Bill Koch W2RMA**

Bill was first licensed in 1962 as WN2DWS and has held the calls of WA5LBQ, WA0TGV, WB2DWS, and WD9BFI while living in the US. When he lived internationally, he held the calls EI2VPI, G5DUA and used WA5LBQ/I0 while living in Rome. His current call was held by his Dad, who was a very active V/UHF ham in the 1940-60 decades.

He graduated from Iowa State University with a BSEE and after working at Honeywell, obtained an MBA from Northwestern University which led to a career in financial management in two worldwide companies.

After retiring four years ago, he decided to pursue UHF up ham radio. Given that his home's location is ugly for microwave propagation, he built transverters, amplifiers and antennas for a 10 band rover capability, stop and plop, but fun never-the-less. 10 GHz is his favorite band while 24GHz and light are on the horizon.

His home QTH is in metro Pittsburgh, EN90xh and is an ARRL life member.

## **Rene Barbeau VE2UG**

First licenced in 1978 as VE2FTR.

First activities on VHF was on 6M, then 2M. In 1990 I activated VE2TWO 6M beacon in FO13, James Bay, for a few years. Call is now used for a 10 GHz beacon.

My passion is building things so beacon projects were plenty. Built VE2FUT's transmitters from 2M to 23 cm. Present activities are 10 GHz, 47 G.Hz and 78 GHz.. Next on the list are 24 GHz and 122 GHz.

Currently retired from Hydro-Quebec. I was a Professional Engineer in Telecom specialized in Line Of Sight Microwave and S band Troposcatter. Also worked in Protection & Control and HVDC Transmission.

## **Bill Keicher, KC1HTT**

Dr. William E. Keicher, KC1HTT, is a retired research electrical engineer, whose former employers include MIT Lincoln Laboratory 1975 to 2012 and CBS Laboratories 1973 to 1975.

He served in the US Army Signal Corps (ready reserve) from 1969 to 1977. He is a graduate of Carnegie Mellon University's Electrical Engineering Department with a BS in Electrical Engineering 1969, an MS in Electrical Engineering, 1970, and a Ph.D. in Electrical Engineering 1974. His research specialties include laser communications, coherent and direct detection laser radar, infrared and visible imaging systems, microwave and millimeter wave radar systems and millimeter wave spread spectrum communication systems.

Dr. Keicher's amateur radio interests include HF DX chasing, VHF/UHF satellite communications, and VHF Earth-Moon-Earth communications. He is a Senior Life member of the IEEE, Emeritus member of the OSA, a member of Eta Kappa Nu, the ARRL, the Academy of Model Aeronautics, and the Westerly Amateur Radio Team in Westerly, Rhode Island.

## **Al Rabassa, NW2M**

Al Rabassa, NW2M, is a member of the ARRL and the Montgomery Amateur Radio Club in Rockville, MD. He is an Extra-class licensee and has been licensed since 1985. He has a Masters of Science/MBA degree in Management of Technology from the MIT Sloan School of Management, a Masters of Science in Information Systems and Technology from the Johns Hopkins University, and a Bachelors of Science in Computer Science from Monmouth University in NJ. He is active in the operation and restoration of vintage Yaesu FT-101 series radios from the '70s. He operates the latest FT8 digital modes on HF and the emerging digital/Fusion modes on the 2M band. Al may be reached via email at [nw2m@arrl.net](mailto:nw2m@arrl.net).

## **Dale Clement, AF1T**

Dale Clement, AF1T, owes much of his RF background to a nearly life-long enthusiasm for Amateur Radio. He enjoys the experimental aspects of radio, and is a reliable participant in Field Day and VHF Contests, especially the "10GHz and Up" event. Dale was employed in research, design, and development of antennas, microwave circuitry, and teaching.

He and his Wife, Mickie, W1MKY, enjoy travel, history, folk music, and volunteer work.

## **Harke Smits, PA0HRK**

Harke Smits, PA0HRK, holds a master degree of the University of Twente in control theory and automation. He had several positions in the chemical industry and the Dutch research organisation TNO. Actually he is retired and his last position was research manager at a large multinational consumer organisation, Test-Aankoop, in Brussels.

As a teen he got interested in radio and he has a class A licence since 1974. Ever since his major leisure activity has been test and measurement instruments and home brewing radio equipment, from 80m up till including 76 GHz. He wrote a number of articles in dutch and foreign magazines. Recently he got interested in EME and he built EME stations for 23 cm and 3 cm.

Apart from radio he likes reading, classical music, wine tasting, city trips and occasionally skiing or playing golf.

## **John Young, KM4KMU**

John Young, KM4KMU got his license at Dayton in 2015. Two months after he got his first radio, and HT, he built a mobile mountain topping station to take part in the January 2016 VHF/UHF contest in the FM category. Since that first contest where he made plenty of mistakes he has gone on to be a regular winner in the FM category for the September contest with a January win escaping him every year, but providing yet more lessons learned for improvement. For June he supports the W4IY multi-op station for a week of intense mountain top VHF/UHF Elmering. John is resident of Mclean Va, a member of the Vienna Wireless Society and works as a program manger for the Office of Naval Research.

## **Tony Emanuele, K8ZR**

Tony Emanuele, K8ZR, formerly WA8RJF, was first licensed as WN8RJF in 1965 and spent most of his early amateur radio career casually chasing DX on the low end of 40 and 15 meters. By 1967 he had upgraded to Advanced Class and by 1976 to Amateur Extra spending the next 15 or so years HF Contesting and chasing HF DX exclusively QRP. His first 50 MHz activity occurred during the summer of 1973 with a Hallicrafters HA 6.

His interest in VHF/UHF/Microwaves was the result of his desire to build the equipment on the bands he operated. By 2002 he had achieved VUCC on 144 MHz thru 10 GHz using homebrew transverters. More recently he has been active on EME on 144 MHz, 432 MHz, 902 MHz, 1296 MHz, 2304 MHz and 3400 MHz. His goal is to work at least one station via the moon on 50 MHz through and including 24 GHz.

Currently he is semi-retired employed as a sales manager/application engineer for a specialty LCD company. In June 2014 he became the editor of CQ Magazine's VHF+ column.

## **Paul Wade, W1GHZ**

Paul Wade W1GHZ, previously N1BWT and WA2ZZF, has been licensed since 1962 and has never made a contact below 50MHz. He has been a microwave experimenter for years and published numerous articles as well as writing the "Microwavelengths" column in QST. He is active in the Vermont 10GHz group and is past President of the North East Signal Group. An ongoing project is the "W1GHZ Microwave Antenna Book" – online at [www.w1ghz.org](http://www.w1ghz.org).

In 1997, he was honored to be named by the Central States VHF Society as the recipient of the Chambers Award. He has been honored by the ARRL with the 2000

Microwave Development Award, in 2001 with the Thomas Kirby Eastern VHF/UHF Society Award, and in 2009 by Microwave Update and the North Texas Microwave Society with the Don Hilliard Award for Technical Contributions to the Microwave Community.

After a long career in electrical engineering, including microwaves, computer hardware, and signal integrity, he and Beth, N1SAI, are now happily retired in Vermont with a new puppy named Hannah. He was also a ski instructor for a time, and now enjoys skiing on a new bionic knee, and skijoring with Hannah.

## **Bart Jahnke, W9JJ**

Bart Jahnke, W9JJ, became licensed in 1978 – as KA9DLH. The oldest of 5 children, being raised on a Wausau Wisconsin Dairy Farm, Bart found that the Midwest hilltops afforded more than just magnificent Sunrises and Sunsets to enjoy while doing farming chores, it also offered extraordinary VHF+ flatlander propagation. Becoming active on 6 m through 70 cm, Bart also earned an ASEE at North Central Technical College and quickly upgraded to Extra class (keeping his Advanced call KB9NM until the Vanity pools opened up in 1996).

After several years on the farm of enjoying weak signal Meteor Scatter, Aurora, Tropo, E-skip and even 2 meter EME (with 2 Yagis and no Az/EI), Bart was bitten by the avocation bug to pursue his Ham Radio interests away from the farm – landing a position at ARRL as the Repeater Directory Editor in the Fall of 1985.

At ARRL, from late 1985 through early 1989, Bart's duties included interactions with the many Repeater Frequency Coordinators - as well as ARRL Regulatory Desk support - and several stints as Awards Desk team lead. Bart also met his wife Debra at ARRL (now K1DAJ) who has also been with ARRL for many years in several Circulation, Publication Sales and Ad Sales capacities – and is currently ARRL's Business Services Manager. Bart and Debra have two daughters.

By 1989, Bart was tapped to take on the role of ARRL's Volunteer Examiner Coordinator (VEC) Program Manager, and he served in that capacity for 16 years (until 2005 when he and his family returned to Wisconsin to help care for aging relatives). Returning from the Midwest, Bart's experiences included EMS Billing/Collections including becoming a First Responder, Customer Service, and IT Helpdesk and Support.

With early interests in VHF/UHF and above weak signal, and 30 years of collecting for that ultimate station, building is underway at Bart's FN31un QTH Southeast of Hartford with 3 towers: HF which is complete; a 6-band 50-1296 MHz EME Az/EI mount {the base is in}; and a 50-2304 MHz terrestrial tower which is under construction {that tower is at 50' so far, headed to 100' - to get above the trees} – all targeted for late Spring/early Summer 2017 completion).

Over the years, aside from his own stations, Bart has operated with various HF and VHF groups including W9SM, W9NN, W0AIH, K9IMM, and W1XX/portable from 1986-1987 (including trips to several Eastern Hilltops and to 4U1UN at the United Nations). More recently Bart has operated at W1AW, W2SZ and W1E (NC1I and company portable EME-peditions). Bart looks forward to the day when W9JJ is QRV on all 3 towers – terrestrially and off the moon!

## **Bob Lear, W4ZST**

First licensed as a novice in 1962, always interested in VHF, UHF and electronics. Navy CT(m) late 60's, then many years in college. MRI/Cryogenics in industry and then teaching Physics and Engineering in college before retiring to ham radio activities. Not active but kept up with the hobby for many years. Finally got back in the early 90's and into VHF contesting. With SVHFS since the first conference in 1997 serving in many officer and committee positions over the years. Active with the W4NH Fourlanders Contest group since 2000, band captain for every band over the years, President, Contest coordinator, Cook, etc. Enjoy building equipment, microwave gear, amplifiers. Had always been interested in EME but it took pushing from Johnny Kludt K4SQC to get me in this deep and also a lot of help from the members of the Fourlanders operating both portable and at my QTH at times.

## **Mike Cresap, W3IP**

Mike was first licensed in 1965 as WN4ACJ. His early interest in ham radio led to a degree from Auburn University in Electrical Engineering and on to a career in the Government and Defense Electronics industry. He received his current call sign, W3IP, in 1977 after moving to Maryland for work. One of his interests, both professionally and through ham radio has been low phase noise oscillators and their effects on high dynamic range communications systems. He was first exposed to VHF contesting during his college days. That interest has continued to this day. He operates a hilltop remote site a few miles from his current home in Virginia which is the testing grounds for his homebrew ideas and designs.

## **Phil Miguelez, WA3NUF**

Phil Miguelez, WA3NUF, was first licensed in 1969. Phil became interested in the VHF bands a few years later and soon after joined the Mt Airy VHF Radio Club better known as the Packrats. He has been a member of the club since 1976 and served as President in 1995 and 1996. Phil is active on HF through 10 GHz and has placed in the top 10 Single Op High Pwr / Low Pwr categories of the January VHF SS from 1987 thru 2017. Along the way Phil received a BSEE degree from Drexel University and has worked in



the RF, fiber optics, wireless, and cable industries for the past 39 years. He has received 9 US patent awards and has over 25 published papers.

## **Glenn Little WB4UIV**

First licensed in 1971 as WN4UIV.

Upgraded to Technician 2 years later.

Became member of QCWA as a Technician and became president of local chapter as Technician.

President of local radio club for a number of years.

Upgraded to Advanced after February 2000.

Upgraded to Extra May 2000.

US Navy 22 years serving as an Electronics Tech onboard Nuclear submarines maintaining the navigation system and at times the radio equipment.

Five years as field service with Hark doing lightning mitigation.

Three years as TV chief engineer at WCIV maintaining transmitter and studio equipment.

Designed the digital plant for conversion from analog to digital TV at WCIV.

9 years as engineering maintenance at various TV and FM stations.

Now fully retired.

## **Gerald Johnson, KØCQ**

Gerald Johnson, KØCQ. Licensed since 1955, amateur extra since 1958. First Phone, second telegraphy and ships radar commercial licenses also from 1958. BSEE, Washington U, St. Louis, 1963, MSEE, Iowa State, 1967, Phd, Iowa State, 1976.

Employed at Collins Radio in the high power transmitter department 1963 to 1966. US Army 1967 to 1969. Self employed since 1970 consulting in electrical and electronics including products failures, custom designs, electric shocks and fires. Built the first computer in Iowa for elementary student use, called GJILDA. Its back for repairs.

Graduate work was in low speed data communications over the secondary power network. Work branched into weather display and analysis programs that still need maintenance attention. Farmed on the side from 1989 to 2008, mostly retired since 2008.

President Washington U radio club a year, president Story County Iowa ARC, 21 years, secretary a few years before that.

On 2m from 1956, 432 from 1970, 10G with gear that really works from 2009. 1296 for some years in between, then 220. Demonstrated effects of path blockage on microwave circuits at 9.8 GHz for the Engineers Day open house at Washington U in 1963. Still have the antennas built for that.

## **Dick Frey, WA2AAU**

Dick first became a Ham in 1962 as WN2BXP & WB2BXP while he was still in high school. His early operating was mostly on the 80 Meter Novice band to get his code speed up to qualify for a General class license. For the first few months he operated with a borrowed HeathKit DX-20 transmitter and a upright console Zenith shortwave radio chassis as a receiver. A BFO was added to the Zenith receiver to permit receiving CW. A few months later a home brew transmitter made from old TV parts replaced the DX-20. After passing the General exam, Dick added an AM modulator to his home brew transmitter and began spending most of his time operating on 160 Meters with a 520-ft long wire.

A few years later, Dick attended Rensselaer Polytechnic Institute and graduated as an electrical engineer specializing in communications and RF design. During his time at RPI he was active in the campus radio club – W2SZ. At W2SZ Dick became interested in the VHF and UHF bands and built equipment for those bands. When the club decided to compete in the June 1969 VHF Contest from the summit of Slide Mountain in the Catskills, in support of that effort, Dick built a complete 600 watt station for 220 MHz that a single man could carry on his back. He also completed a 300 watt power amplifier for 432 MHz and modified a research power generator for use on 1296 MHz.

After college, Dick worked for RCA Defense Electronic Products, Motorola 2-Way Radio, and finally for General Electric Global Research for 33 years. He remained interested in VHF contesting with the RPI Radio Club from the summit of Mt Greylock for the next 46 years. He has continued to work on contest equipment for the Ham radio microwave bands, mostly above 2 GHz. He has helped numerous rovers build their microwave stations. Now in retirement, Dick mentors students at the RPI radio club. He enjoys searching for new rover sites all over the northeast. He is currently the president of the North East Weak Signal group.

## **Ben Lowe, K4QF**

Ben Lowe, K4QF, was licensed as KN4VOW in 1958 at the age of 14. He holds an MS degree from Southern Methodist University in Dallas and a BS degree from The University of Tennessee at Knoxville, both in Electrical Engineering. He is a registered Professional Engineer in the states of Alabama and Texas. Ben designs and implements microwave systems, assists the military with GPS applications and wireless architecture development, and conducts RF environmental analysis and measurements for Engineering Systems & Planning of Huntsville, Alabama.

In addition to Amateur Radio, he is a licensed pilot, has an advanced SCUBA certification, and is an avid bicyclist. His primary ham radio interests are in weak signal VHF/UHF/Microwave operation. He has written numerous articles for QST, CQ, Ham Radio, and The ARRL Handbook. Previous call signs include K4VOW, WA5UVM,

ZL1AQC, G5EPZ, K4QF/HB/DL/HBØ and ZF2BL. You can reach Ben at 848 County Rd #138, Scottsboro, AL 35768, or at [K4QF@arrl.net](mailto:K4QF@arrl.net).

## **Roger Rehr, W3SZ**

Roger Rehr, W3SZ, was first licensed in 1968 as WN3JYM. He has held the call W3SZ since 1997. His amateur radio interests include EME and weak signal terrestrial VHF, UHF, and Microwave operation, with a special interest in software defined radio techniques. He enjoys homebrewing both hardware and software projects.

## **Rick Rosen, K1DS**

Licensed as a ham since 1959, and starting off with a pair of ARC-5 rigs on 80m & 40m, my first taste of VHF was with a Heathkit Twoer. In 1970 I was introduced to the world of 2m FM and VHF contesting with the Waltham Amateur Radio Club. I have operated almost every phase and mode of ham radio including bands from 160m through LASER. Currently I operate K1DS as a rover with my "Great White" Ford van with capabilities on all bands. I am active on moonbounce with a portable setup and have made dozens of CW EME contacts on 144, 432, 1296 and 2304 MHz. I was a charter member of NEWS and currently a member of the Packrats since 1997.

## **Joe Taylor, K1JT**

Joe Taylor was first licensed as KN2ITP in 1954, and has since held call signs K2ITP, WA1LXQ, W1HFV, VK2BJX and K1JT. He was Professor of Astronomy at the University of Massachusetts from 1969 to 1981 and since then Professor of Physics at Princeton University, serving there also as Dean of the Faculty for six years. He was awarded the Nobel Prize in Physics in 1993 for discovery of the first orbiting pulsar, leading to observations that established the existence of gravitational waves. After retirement he has been busy developing and enhancing digital protocols for weak-signal communication by Amateur Radio, including JT65 and WSPR. He chases DX from 160 meters through the microwave bands.

## **Marshall Williams, K5QE**

First licensed in late 1965, I finally retired from work and moved to Hemphill, TX. in 2003-4 I built up a big VHF contest station and have been big in VHF contesting ever since. Part of that station was a big EME station for 2M, which allowed me to earn the WAS award for 2M in 2009. My goals outside contesting are to earn WAS on 6M, 222, and 432. I am still working on those.

## **Jeff Kruth, WA3ZKR**

First licensed in 1976, Jeff has had an undying fascination with VHF and microwaves for at least 10 years prior to that. That resulted in a career as a microwave engineer doing DoD work. He particularly likes weak signal work on the higher bands for both the technical and operational challenges presented.

His previous station in FM190f was operational from 6 meters to 10 GHz. He has been tinkering together stations for 24, 47 and 78 GHz, but development has been slowed by his boss, who keeps finding interesting things to work on for the Morehead State University Space Science Center, where Jeff is the staff EE in charge of the 21 meter dish antenna. Unfortunately, operation from EM88ge has been restricted to 50-432 MHz for the past several years.

Resumption of microwave operation is in the planning works, so contesting can resume in earnest.

## **Ray Golley - N3RG**

- Licensed for 60 years plus
- WN2POX, WA2POX, KA2RG (USAF JAPAN), WA3JXR
- Electronics Technician - Camden County Vocational, USAF, RCA Institutes
- Retired - Electronic Museum Exhibits Fabricator
- Member - ARRL, Packrats, FRC, SJRA, SJMT
- Interests - Contesting, Weak Signal - 50mhz ~ 10ghz, Digital, EME

## **Steve Kostro, N2CEI**

First licensed as a Novice at 9 years old but it took three more times for the N2CEI call sign to stick in 1979. After meeting some local VHFers and being bitten by the contest bug, became active with various Multi-op groups. 1994 became Co-owner/operator of Down East Microwave Inc to present day. Enjoys building anything ham radio related along with Portable Microwave operating and contesting. Main ham radio interests now are 160M contesting and building a local Club station, N4SVC. Currently serving as President of the Southeast VHF Society and serves on the Board of Directors for the Central States VHF society. Latest non ham related interests are Fish Farming and Aquaponic gardening.