



ARCI NEWS

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Affiliated AWA
Antique Wireless Association



Volume 34, Issue 5
October 2015

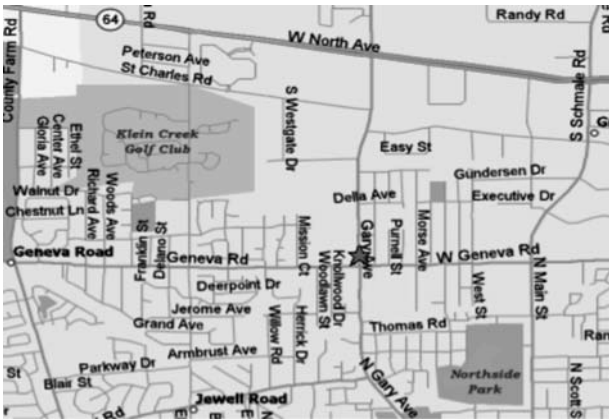


RADIOFEST 2015 PICTURES INSIDE

UPCOMING OUTDOOR MEET OCTOBER 4, 2015

AMERICAN LEGION HALL
570 South Gary Avenue, Carol Stream, IL
October 4, 2015 • 7AM - 11AM
Business Meeting & Elections 9:30 AM

Boy Scout Pancake Breakfast / Free Coffee, Juice & Cookies
 50/50 Cash Drawing Raffle



2015 ARCI MEET SCHEDULE

October 4, 2015	7AM-11AM Outdoor Swap Meet Business Mtg./Officer Election 10AM	American Legion Hall Carol Stream, IL (See Map)
December 6, 2015	7AM-11AM Indoor Swap Meet Business Meeting 10AM	American Legion Hall Carol Stream, IL (See Map)

PRESIDENT'S MESSAGE

Radiofest 2015 is now part of ARCI history, so this is a good opportunity to take stock and see how things turned out. Throughout this issue of the *ARCI News* you will be able to read in detail about all the various happenings at our premier ARCI event. But, in case you are just in a hurry to find out how well we did, the short answer is: *Radiofest 2015 was a great success!*

By “success” I don’t just mean a successful swap meet, auction, or banquet (though all of those events came off successfully). It goes deeper than that. When we began the process of *Radiofest 2015* planning way back in the fall of 2014, we realized that there were some things that we had to change in order to streamline the planning process, make the event more “user friendly” to club members and Radiofest attendees, and very importantly, find a way to reduce those expenses that were having a negative impact on the club’s bottom line. And, I am happy to report that, in large part, we were successful in achieving all of those goals.

I think the saying “Every cloud has a silver lining” is particularly appropriate in describing our *Radiofest* experience this year. When we lost our Willowbrook Hotel venue and we were having tremendous difficulty finding an alternate hotel, it began to look like we might have to accept a facility with no hotel, and we had to face the possibly of limiting our activities to a swap meet and maybe an auction. But then, former president and longtime club member Art Bilski discovered the Quality Inn in Burr Ridge, just down the road from the old Willowbrook location. And with our new venue secured, the “silver lining” suddenly came into view. Not only were our dates available, but also for the first time we had the possibility to carry out a Friday through Sunday schedule (something we have wanted to try for years) with no additional costs from the hotel. And I am convinced that this simple schedule change had a strong positive impact on buyer and seller participation in *Radiofest 2015*. So, we will make every effort to repeat this schedule for *Radiofest 2016*.

The Quality Inn had its challenges. We knew the swap meet would be tight due to the smaller parking lot, and the older sleeping rooms certainly left something to be desired. But, there was a nice grass covered area we could use for seller space overflow, and the price for the sleeping rooms was reasonable. I can say we made good use of virtually every square inch of the place, and with some patience and a little bit ingenuity, the hotel ended up working out pretty well for us. And we certainly cannot forget the great hotel staff that gave 110% for the entire weekend. Will we be back next year? I can’t answer that just yet, but stay tuned to this space for updates.

I know it’s been said many times before, but it bears repeating here, *Radiofest* is only possible because of the generous contributions of time and effort from so many people, both inside and outside of our club. There are far too many to list here, but you all know who you are. Once again, I want to thank each and every one of you for your help and support in making this one of the best *Radiofests* in recent memory.

On a final note, don’t forget to mark your calendars for our next meet, scheduled on October 4th at the American Legion Hall in Carol Stream. This is our last outdoor meet of the year, so let’s do our part in giving a fond sendoff to the remaining warm weather of 2015! And remember, our October meet is also the one where we elect our slate of club officers for the next year. So, if you want your voice to be heard or want to become more involved in club activities, do plan on attending the business meeting immediately following the meet. To entice you a bit further, I also have it on good authority that the donation auction is going to have a selection of some pretty interesting items that have recently been donated to the club. Beyond that, my lips are sealed, so you’ll have to come to the meet and see for yourself.

See You At The Next Meet,
John Stone
ARCI PRESIDENT

IMPORTANT UPCOMING BUSINESS MEETING OCTOBER 4, 2015

Every October, ARCI conducts its annual Officer Elections. ARCI will conduct its annual business meeting at 9:30am on October 4, 2015. At that time, we intend to discuss planning for 2016 and we will hold officer elections. We strongly urge all interested members, Officers and Board members to attend. ARCI's slate for 2015-2016 is as follows:

Board of Directors

Dr. Barry Janov, Chairman
Jeff Aulik
David Bart
Art Bilski
Harry Blesy
Ed Huether
Tom Kleinschmidt
Steve Muchow, Advisor
Robert Piekarz
Olin Shuler

Officers

John Stone, President
Jim Novak, Vice President
Keith Schreiter, Secretary/Membership
Rudy Hecker, Treasurer

ARCI has been fortunate to have wonderful leadership over the years, but new blood is needed to preserve the vitality and initiative of one of the best radio collecting clubs in the country. WE NEED YOU!!! We intend to review *Radiofest*, local meets, *ARCI News*, and other key services for 2016 including planning for *Radiofest* which is already underway. ARCI is your club!! Please plan to participate and lend a hand! See you at the meeting!!

VOLUNTEERS FOR 2016

ARCI has been fortunate to have a great team of volunteers over the years who have faithfully and generously served the club. They deserve your thanks and recognition for all the support they provided. Remember, ARCI is your club and we need your help too! As we all pitch-in, the club will continue to improve for everyone's benefit. Please talk with one of the officers, Board Members or current volunteers for more information on how you can join-in to lend-a-hand. ARCI looks forward to working with the following during the upcoming year.

Nicholas Tillich, *Radiofest* Auction Coordinator
Jim Novak, KC9IPB Ham Radio Station
Ed & Judy Huether, *Radiofest* Coordinators

Jim Rajkovic, Webmaster
Cindy Fudge, *ARCI Newsletter* Publisher
Karl Johnson & Pete Nauseda,
Parking and Information

Jim Sargent, *Radiofest* Auctioneer
Tom Kleinschmidt, Donation Auction
Rudy Hecker, Signage, People's
Choice Contest
Art Bilski, Public Relations
Julia Bart, *ARCI Newsletter* Editor
Judy Huether & Elaine Hecker,
Registration

THE RADIOFEST 2015 REPORT

By John Stone

HUGE SUCCESS AT RADIOFEST 2015

I have to admit that I did not get much sleep on the Thursday night before the start of *Radiofest 2015*. What could possibly go wrong? Well, for starters, there was that new hotel with a smaller, unfamiliar parking lot, a new weekend schedule, the weather, unproven AV for the auction, a new auction manager, a hotel staff wondering: “what’s a *Radiofest*” and, of course, an inexperienced ARCI president running the whole darned thing. But no matter, *Radiofest* was now here, and I was in charge. My first hiccup was a phone call confirming that the dumpster for the parking lot had been “delivered”, only to find that nobody could tell me where it was. Turns out, they delivered it to the Willowbrook Inn! Then it was re-delivered to the Quality Inn and promptly dropped right on top of 3 seller spots. Then there was the giant semi sitting parked across about 10 seller spots with everyone asking, “Who belongs to that, and is he going to move it?”

Gradually, the situation improved. The dumpster got repositioned, the big semi left, and Burr Ridge made good on their promise to deliver some barriers so we could set up “traffic control” to keep rogue parkers out of the hotel lot. Our reliable group of ARCI volunteers began to arrive, putting up their tents, marking the lot, and setting up signs. The weather was clear and HOT! The registration table went up, and we were open for business.

Meanwhile, things were already heating up for the auction in the Aria Ballroom with some auction attendees already standing around waiting for the 3:30 open. The ballroom started filling with items and we found ourselves short of tables. So we grabbed every long table the hotel had and that gave us just enough to get through. By 6:00 pm the room had filled with eager bidders just waiting for the auction kick-off. A couple of minor glitches in the software held us up until about 7:00, but then we were off to the races. For the next 3-1/2 hours the action was hot and heavy, with Jim Sargent working the room like the pro he is. By a little past 10:30 pm the selling was finished. 200 lots went under the gavel, yielding nearly \$25,000 in total sales. Not bad for a night’s work! You can learn much more about the auction results in the separate auction report, and do make sure to check out the photos, both here and on the web.



Saturday morning had me up and running at about 4:30 AM. Good thing I’m an early riser! With visions of parking lot chaos and sellers coming to blows, I just had to get out there and assess the situation. Thankfully it was mostly peaceful, but surprisingly active at such an early hour. With the barriers in place and our security guard checking registrations at the lot entrance, it looked like the lot was reasonably in hand.

All the spaces were completely sold out, so any unauthorized parking would have created a mess. By the tiniest break of daylight, the buyers and sellers began to show up in force. The entire rear and both side parking areas of the hotel were reserved for sellers, leaving a little over 100 spaces for sellers on the pavement. Every spot was filled. In addition, we had overflow into a large grassy area to the west of the hotel, and additional sellers were booked into the ballroom. Thankfully, our sellers were an easy going and industrious group. Where there were glitches (and there were), I was gratified to learn that our hardy and industrious group of sellers had seen it all before, and found a way to work out most of the problems amongst themselves. Our total selling spaces came to a grand total of 125 with the Aria Ballroom.



My biggest regret was that I never found the time to do a thorough run-through of the Saturday swap meet myself. But by all accounts, both buyers and sellers reported brisk activity, and there were plenty of great items to be found. And lets not forget our two other perennial outdoor *Radiofest* favorites: our vintage ham station and Ed Huether's radio clinic. Both were very active throughout the course of the day on Saturday.



This year's speaker programs were some of the most interesting and diverse in recent memory. Topics ran the gamut from restoring 1920s Zenith battery radios, to radios made in POW camps during WWII, to maintaining vintage hi-fi equipment. Bill Ross, in his annual ham radio forum, delighted the crowd with a "blast from the past" video featuring Steve Allen in a tribute to the old radio shows and their stars. Special thanks go to all our

presenters who put forth considerable effort to make this important part of *Radiofest* so successful.

Our combined Contest and Display room could best be described as "an embarrassment of Zenith riches". The sheer quantity and quality of Zenith items for our equipment display was beyond anything I could have even imagined only a few months prior. It happened, in no small part, because of the extremely generous contribution of display items by John Taylor of Zenith LLC, combined with the tireless efforts of club member Norman Smith in getting it all cleaned and set up for display. This alone made for an incredible display, but when you add in the contribution of great display items from individual club members, it took the display room to a whole different level. You can find many more details and photos in the dedicated contest and display articles elsewhere in this issue.



Our annual awards banquet came off without a hitch. The hotel staff again came through with great service, and, dare I say it, the food was actually quite good! We had around 80 attendees in total, most of them pretty tired (myself included), but all of us ready to celebrate and enjoy each other's company. The entertainment could best be described as "a hoot". The "Those Were the Days Radio Players" presented a skillful recreation of two separate radio shows originally broadcast in the early 1950s. As I sat and listened I couldn't help but think about how much our view of entertainment and humor has changed over the years. It was all so much simpler back then, and so much more innocent. I'm simply amazed how these performances were able to hold the attention of an audience for many hours, using just sound, and relying only on the imagination of the audience to fill in the rest. Times have indeed changed, and yes, this old "baby boomer" is now clearly showing his age, but I simply can't stop without mentioning the Radio Players' wonderful "encore performance" of the famous Abbott and Costello "Who's on First?" skit. If many of the old radio skits can now be considered dated and quaint, this one, first performed in 1938, certainly qualifies as the major exception to the rule. Simply stated, it's nothing short of pure comedic genius! Watch this comic duo perform it on YouTube, and you will see what I mean.



As expected, our Sunday morning activities in the parking lot started off on a much quieter note. But even so, I'm proud to say we still had a pretty good representation of sellers remaining from Saturday, along with a few new ones added to the mix. Many good items were still to be found, and those that attended likely managed to find some of the best deals of the entire show. I finally got the chance to walk around the lot and talk to some of the sellers, most of whom seemed pretty satisfied with their results over the past two days.



At around 11:00 AM, Bill Cohn did the honors of hosting the closing event of *Radiofest 2015*: our annual *Radiofest* Donation Auction. Lots of "parts donor sets" combined with some restorable radios, a couple of old black and white console televisions, and a miscellaneous selection of oddball parts were all piled high, waiting either for new owners, or for their final fate in the adjacent dumpster. Yes, the exact same dumpster that had lost its way to the hotel two days before. But the stash had enough potential to attract the "die-hards" for one last go at finding a piece of treasure amongst the junk. And, after all was said and done, the donation auction brought an impressive \$452 into the club coffers. Our sincerest thanks to Bill for a job well done!

And thus ended the formal part of *Radiofest 2015*, leaving only the lonely task of taking down the signs, putting away the tents, rolling up the cords, paying the hotel bill, stuffing everything back in the storage shed, returning the AV rentals, and driving home. I finally walked in the door at about 3:00 PM, and promptly took a nice long nap.

FIVE CLUBS MADE THE DIFFERENCE

Radiofest continues to have a national reach and typically attracts international participants. Our attendees this year included people from across the country. Radiofest is truly the product of five major clubs and volunteers that span New York to California. We thank each of these organizations and all our volunteers for their tremendous hard work!!



ABOUT THE AUCTION

The Aria Ballroom at the Quality Inn proved to be a very well suited venue for our *Radiofest 2015* auction. The room was set up with the expert guidance of our auctioneer, Jim Sargent, giving him the necessary clear sight lines to the bidders while leaving ample area around the periphery of the room for easy placement and viewing of all the auction lots.

Our customary auction AV setup, with real time video of actual items projected onto a large screen, has always been a popular draw. However, a professionally set up robotic camera system with a dedicated operator is a very costly proposal, running into the thousands of dollars. With a keen eye on our budget, the club officers all agreed that we should either investigate a lower cost AV solution for the auction, or failing that, eliminate it altogether. After tossing around various ideas, an elegant solution was finally discovered, courtesy of an Apple Ipad, and a local wi-fi hub. Using the Ipad's built-in camera and a simple Apple TV box plugged into a high definition projector, we were able to wirelessly "mirror" anything appearing on the Ipad's display via Apple's "Airplay" feature, directly onto the large projection screen. And our new solution produced excellent quality close-ups of all the items for auction, enabling bidders to easily see exactly what they were bidding on. And all at a very reasonable cost!

Another positive change for this year was the addition of food service that was available in the restaurant located next to the ballroom, for the entire duration of the auction. A nicely stocked cash bar was also open right across the hall. We received strong positive feedback from most of the auction attendees about this new arrangement, and both the restaurant and bar were quite busy during the course of the auction.

Finally, here are some of the key auction statistics: 122 people purchased bid cards this year, and 54 people consigned 200 lots. 157 of the 200 lots were sold, nearly 80%, which is a marked improvement over last year. Sales totaled \$24,705 with an average sale price of \$157.98. There were 43 no-sale lots this year, a no-sale rate of 21.5%. In total, this was a very successful auction with results in line or better than most previous years.

Some data on auction sales and detail for the top lots by selling price are shown below:

<u>Auction Results</u>		<u>Lots Sold</u>
Hammer Price	>= \$500	12
Hammer Price	\$250 - \$499	20
Hammer Price	\$100 - \$249	39
Hammer Price	\$ 50 - \$ 99	43
Hammer Price	< \$ 50	42
<hr/>		
Totals		156
No Sale Lots		44
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Totals, Lots Auctioned and Sales	200	\$24,705

<u>Top Priced Lots</u>	<u>Price</u>
Sparton 557.....	\$1,100
Artandia Parrot Speaker (BLUE), 1927	\$925
Artandia Parrot Speaker, (MULTICOLOR), 1927	\$850
Atwater Kent 4700 (10C), 1924	\$850
Atwater Kent 10C, 4700, 1923	\$800
Jackson Bell 62 1931.....	\$700
Grebe CR-18, 1926.....	\$600

VOLUNTEER OF THE YEAR

The ARCI Volunteer of the Year Award was created to recognize individuals who, through their efforts, have made significant contributions to the organization in support of our avocation, our club and its activities. This year’s Volunteer of the Year Award went to Nicholas Tillich for his incredible service to ARCI revamping and modernizing the *Radiofest* auction administration. Nicholas is the new, young and current President of the Wisconsin Antique Radio Club, Inc. He plans to continue running the auction at *Radiofest* next year. His many hours in these efforts are greatly appreciated by everyone. We want to give Nick a well deserved and very special Thank You on behalf of everyone at ARCI for your years of continued service and your many generous contributions to the club and to *Radiofest*.

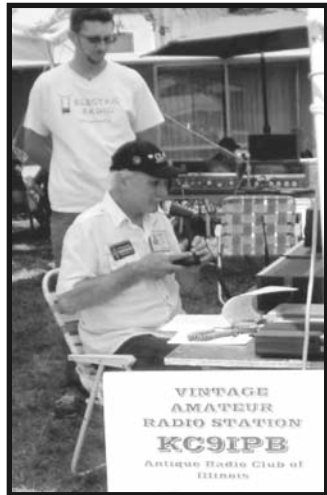


John Stone, ARCI President, and Nicholas Tillich, Volunteer of the Year.

KC9IPB ON THE AIR AT NEW RADIOFEST SITE

ARCI's Amateur Radio operators successfully adapted to setting up our club station at the new Burr Ridge site despite having less space to set up antennas. This year, instead of the usual long multi-band dipole with tall supports, we used multiband verticals supplied by Ed Schumacher, WA9GQK, and Steve Muchow, K9AKS for contacts on 75, 40 and 20 Meters, plus Jim Novak, WA9FIH's VHF vertical for local FM contacts. Although band conditions were not the best on Saturday, propagation improved on Sunday with good reports received from as far as the East and Gulf Coast and Colorado as well as closer in states.

This year, we had two HF stations on display, a 1960s vintage Hallicrafters HT-37 and SX-111 supplied by Bill Greenwald, KC9KLA, and a 1970s era Drake TR-7 transceiver courtesy of the Six Meter Club of Chicago. WA9GQK brought his Drake tuner, and WA9FIH supplied an early Kenwood TW-4000 FM rig for contacts on the two meter band. Our thanks go to WA9GQK as well for arranging the loan of the nice canopy from the Chicago Suburban Radio Association, and a special thank you goes to Geoff Bourne who always gives us a big hand in setting up that canopy!



OTHER AWARDS AND RECOGNITIONS

Each year, ARCI tries to thank all those who contributed to the success of the club. It takes the efforts of many people to make our club function. We graciously and gratefully recognize these individuals annually at each Radiofest during the Carolyn Knipfel Banquet. On behalf of the ARCI Board of Directors and the membership, congratulations to everyone for their many contributions in achieving a very successful year for ARCI and an outstanding Radiofest 2015!

RADIOFEST PHOTO REVIEW



RADIOFEST WINNER'S CIRCLE EQUIPMENT CONTEST WINNERS

Radiofest held its annual Old Equipment Contest in August under the direction of Jeff Aulik and Barry Janov. Many great entries were submitted and quite a few rare items were on display. Congratulations to everyone on all the fine entries, and of course, congratulations to the winners!!

Dr. Ralph Muchow Best of Show Award & People's Choice Award

Crosley Advertising Display - Tom Burgess

People's Choice Award

Valley Electric Valleytone 52 - Jack Bauman

Chairman's Award

Blue and Multi-Color Parrot Speakers - Harvey Mattel

Best Historical Display Award

Valley Electric Valleytone 52 - Jack Bauman

Best Restoration Award

Marconiphone 31 Receiver - Barry Janov

Radios Pre-1930

- 1st - Clapp Eastham-made Baby Emerson- Robert Sands
- 2nd - Marconiphone 31 Receiver-Barry Janov

Radios 1930-WWII (1945)

- 1st - Midget Radio-Tom Burgess
- 2nd - Clinton "Palm Tree"-Jeff Aulik
- 3rd - Travler Models 527 and 630-Bill Ballad

Radios Post-WWII (>1945)

- 1st - Pink Stantex Portable-Harvey Mattel
- 2nd - Granco 701U- John Reinicke

Advertising and Premiums

- 1st - Crosley Advertising Display-Tom Burgess
- 2nd - 1920's Zenith Sign-Frank Rasada
- 3rd - Zenith Transistor Radio Display Sign- Frank Rasada

Catalin and Rare Plastic Radios

- 1st - Canadian GE Marbled Plastic Radios- Harvey Mattel

Transistor and Novelty Radios

- 1st - Pink Zenith Royal 500-Harvey Mattel
- 2nd - Rocket and Satellite Radios-Geoff Bourne
- 3rd - Juliette Mini-transistor TR91M-Jay Volke

Speakers

- 1st - Blue and Multi-color Parrot Speakers- Harvey Mattel
- 2nd - Heco Gnome Speakers-Jay Volke

Vacuum Tube Audio

- 1st - Voice of Music 721 Cassette Tape Prototype- John Reinicke

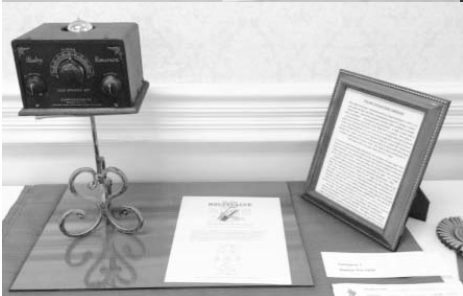
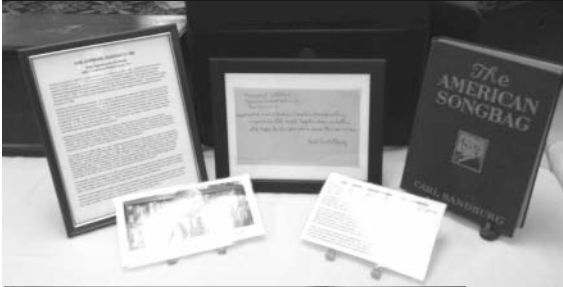
Made in the Midwest

- 1st - Valley Electric Valleytone 52-Jack Bauman
- 2nd - Motorola Airboy Display- Pat Geary
- 3rd - Crosley 27- John Reinicke

Open Category

- 1st - Carl Sandburg Telegram 1st Appearance NBC- David & Julia Bart
- 2nd - Stromman Homebrew-David McCortney
- 3rd - Bunnell Sounder and KOB-Tom Burgess

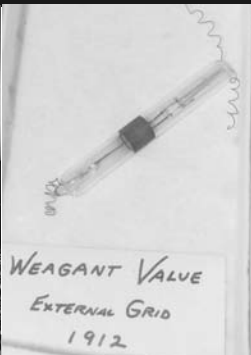
RADIOFEST CONTEST PHOTOS



RADIOFEST PH



PHOTO REVIEW





COLLECTOR'S CORNER

An Occasional Column on Radio Collecting

By David Bart

TERRIFIC ZENITH DISPLAY AT RADIOFEST

This year there Radiofest hosted a wonderful display sponsored by Zenith LLC. It has been almost 20 years since Radiofest hosted a Zenith display, and the wait was worth it! Just a few of the historic items included:

- The Zenith receiver from the 1925 McMillan arctic expedition aboard the SS Peary
- Early (1918-19) Chicago Radio Laboratory “Z-nth” receivers
- Unusual military and other Trans-Oceanic radios
- Super Zenith
- Prototype 1940s clock radio – never produced
- One-of-a-kind Zenith Audiometer Calibrator
- Commander McDonald’s mother’s Stratosphere
- Chinese cabinet floor model
- One-of-a-kind 1939 Zenith projection TV
- Snowshoes and other memorabilia from the 1925 McMillan arctic expedition aboard the SS Peary
- Rare Zenith WWII military radio posters
- WWII bomb proximity fuse dated 1945
- Rare, Zenith artists renderings of radio designs
- Commander McDonald’s oil painting portrait
- Zenith Marine Radio Type 1 Prototype
- Early Zenith/Chicago Radio Laboratories models 1R, 2R, 3R, 4R radios
- Zenith advertising truck.

Many items had documentation, including newspaper or magazine articles and original equipment instructions and photos.

A special thank you goes to Norman Smith for coordinating the exhibit loan and shipment from Zenith LLC. Thank you to John Taylor and Kimberly Regillio at Zenith for their support and work to share these items at Radiofest. The following people also brought their own items for display: David and Julia Bart, Geoff Bourne, Bob Drake, Norman Flasch, Gilbert Hedge, Jim and Felicia Kreuzer, and Jim Novak. Thank you to all who participated in putting together this outstanding commemorative display. Additional photos are available on the ARCI website at www.antique-radios.org.

NEWS FROM THE HAMSHACK

By Jim Novak, WA9FIH

SIX METER AM IN THE 1960'S

Back in the early 1960s, two meter FM had not yet become popular for hams to communicate locally. Most around-town base station and mobile contacts were made on either the six meter (50 MHz) or 160 meter (1.8 MHz) band, each having its pros and cons. 160 meters required long antennas or verticals with inefficient huge loading coils, and was subject to lots of noise and storm static, especially during the Summer, and very little commercial equipment—especially on the transmitting side—included 160. The six meter band was adjacent to TV channel 2 with the potential for causing front-end overload of neighbors' televisions, although that was not a concern for those of us who operated mobile. Antennas for six meters are much smaller, and the Saturn 6 halo was a common sight on hams' cars in the '60s, mounted on a mast attached to the rear bumper back when cars had real chrome plated bumpers! The Saturn 6, by Hi-Par in Fitchburg, MA, was essentially a dipole folded-back upon itself and formed into a 20 inch diameter circle, causing the uninformed to wonder why somebody would mount a basketball hoop on their car!



Gonset Communicator III.

So what kind of equipment did hams use on 6 meters in the 1960s? The Gonset Communicator III, in its white enameled cube-shaped package, was a popular choice, having self-contained 6 or 12 VDC and 115 VAC power supplies for either base or mobile operation featuring push-to-talk transmit. It listed for close to \$300.

On the other end of the scale was the venerable Heathkit "Sixer", a.k.a. "the lunchbox", a simple little \$55 kit with a built in AC power supply and optional outboard DC vibrator power. The Sixer put out about two watts or so from its 6CX8 transmitting tube, and had a super regenerative receiver that, although it was rather sensitive, lacked in selectivity which rendered it almost useless during crowded band conditions.

One very successful rig was the Clegg 99'er, marketed by Ed Clegg, W2LOY, founder of Clegg Laboratories from New Jersey. The 99'er, which listed at \$139.95 when it was introduced in the fall of 1962, was the simplest of Clegg's offerings, which included the Zeus transmitter-Interceptor receiver pair for six and two meters, Venus VI six meter sideband transceiver, and a myriad of other well designed and highly regarded products. ADP
The 99'er has a sensitive, selective receiver, dual conversion with 10.7 MHz and 455 kHz IF stages and a low noise 6DJ8 RF amplifier stage. It covered only the lower half of the band, from 50 to 52 MHz, which provided better band spread and was realistically not a problem since all AM operation was clustered between about 50.150 to 50.500 MHz, with 50.4 used as the mobile and calling frequency.

Heathkit "The Sixer"

Like most rigs of its day, the 99'er was crystal controlled with provision for an external VFO. Crystals were cheap and plentiful back then thanks to the availability of lots of military surplus – mostly in 25 kHz steps; 8375 kHz multiplied up six times to 50.250, 8400 provided us with 50.400 and so on. And since these mil surplus “rocks” in their FT-243 holders came apart easily, many of us would pick up a handful at a hamfest or via mail order and etch or grind off a bit of the quartz to move them up in frequency a bit, providing alternate “channels” so we could move around the band without using a drifty VFO. The 99'er uses a 7558 nine pin miniature tube that was designed for VHF transmit use up to 175 MHz, running around ten watts input, and is plate modulated by a 6AQ5. My 99'er puts out about five Watts of RF and has nice clear transmit audio that looks great on my oscilloscope. A “spot” pushbutton switch on the front panel turns on the transmit oscillator stage to provide the user with the ability to exactly “home in” on the receiver dial frequency. Although it uses a front panel lever switch to switch from receive to transmit, I knew of several local hams who converted their rigs to push-to-talk with a couple of small relays, and at least one that I can recall used his in the mobile with a 12 VDC to 115 VAC power inverter.



Clegg Labs "99'er"





ZENITH DISPLAY



Prototype clock radio (never produced)
1940s

IN MEMORIAM

We are very sorry to report the passing of Dr. Timothy Robert Brumleve, 63, of Urbana. Dr. Brumleve died on July 4, 2015 at Carle Foundation Hospital in Urbana. A memorial service was held on Saturday, Aug. 1.

Dr. Brumleve was born in 1952, in Champaign. His wife, Dorothy Anderson Brumleve, passed away in 2005. Dr. Brumleve graduated in 1969 from University Laboratory High School in Urbana. He earned a BS degree in chemistry in 1973 from the University of Illinois at Urbana-Champaign, graduating with high honors and highest departmental distinction in chemistry. He was an Edmund J. James Scholar, was named to the Bronze Tablet and received the ACS Division of Analytical Chemistry Undergraduate Award at the University of Illinois. He received his PhD. in analytical chemistry in 1978 from the University of North Carolina at Chapel Hill, where he was the recipient of the first John Motley Morehead Foundation fellowship in chemistry.

Dr. Brumleve was an internationally recognized authority on lighting technologies. He was a leader in the research and development of industrial lighting. His career began at Anderson Physics Laboratories Inc. (APL) in Urbana. He was a research and teaching assistant in chemistry at the University of North Carolina and a post-doctoral research associate at Colorado State University where he conducted research in electro-analytical chemistry. He taught undergraduate chemistry courses at the State University of New York. In 1980, Dr. Brumleve returned to APL, spending the next nine years working as director of research and development. From 1989 to 1994, he was a senior scientist at APL. From 1994 to 2013, he was APL's vice president of technology. Finally, in 2013, Dr. Brumleve started Tim Brumleve & Co., a consulting firm specializing in high-temperature-materials chemistry, discharge lighting and electro-analytical chemistry.



Dr. Tim Brumleve

Dr. Brumleve invented multiple materials and components for fluorescent and high-intensity discharge lamps, resulting in 10 U.S. patents and pending applications as well as multiple-derivative foreign patents. He published more than 20 papers in professional journals and authored 29 professional conference papers in chemistry and lamp-related areas. He invented new Zn-Hg amalgam products for fluorescent lamps, growing into a \$2 million product line. He served as a member of the organizing committee for the International Symposium on the Science and Technology of Lighting.

Dr. Brumleve's interests included collecting antique radios, televisions, test equipment and vinyl LPs. From an early age, he enjoyed playing the organ, winning a statewide organ playing contest. He also had a longtime interest in electronics and enjoyed Ham radio, going antiquing with his wife, watching classic television shows and movies, and watching golf on weekends. He was a member of the Antique Radio Club of Illinois. He enjoyed riding and repairing his classic Triumph motorcycle.

Memorials may be made to the Dorothy Anderson Brumleve Research Fund at the Urbana Free Library Archives. Condolences may be made to the family by sending an email to memorial@brumleve.com.



NEW BOOK FROM THE IEEE HISTORY CENTER PRESS

SPRAGUE ELECTRIC



An Electronic Giant's Rise, Fall, and Life after Death

John L. Sprague

SPRAGUE ELECTRIC: AN ELECTRONIC GIANT'S RISE, FALL, AND LIFE AFTER DEATH By John L. Sprague

The rise of the Sprague Electric Company from a high-tech kitchen-table startup is representative of much of the U.S. electronics industry. Sprague Electric began in 1926 in the Quincy, Massachusetts kitchen of a young naval officer, Ensign Robert C. Sprague, and became a thriving manufacturer employing thousands of workers. Its broad product line of electronic components achieved international sales and a reputation for the highest quality. The company later declined, went through a series of acquisitions, and eventually dissolved.

Sprague Electric provides a valuable business and technological history, a story of corporate success, and a cautionary tale of what to avoid. Told by company insider John Sprague, Sprague Electric gives the reader a front-row seat.

The Sprague Electric story reveals the value of investment in research and development, and also the effects of raw material supply chains on product lines. It is a story of a company's relations with the small New England mill town of North Adams, Massachusetts where its factories were located, and how labor relations — initially cordial— later soured. It is a story of how a vulnerable company weathered the stresses of the Great Depression and triumphed, only to be brought down by the recessions of the 1970s and 1980s.

It is a history of acquisitions, mergers, and spin-offs— some of them botched— and of the strategic and tactical mistakes that eventually caused the company to vanish. Yet, Sprague Electric's successor companies continue its legacy in the electronic components industry. Corporations formed from its different business units and operations are now located around the world. The principal manufacturing plant of Sprague Electric is now an acclaimed art museum.

Available from Amazon.com in hard copy and on Kindle.

[http://www.amazon.com/Sprague-Electric-Electronics-Giants-after/dp/150338781X/ref=sr_1_2?ie=UTF8&qid=1429202871\\$sr=8-2&keywords=sprague+electric](http://www.amazon.com/Sprague-Electric-Electronics-Giants-after/dp/150338781X/ref=sr_1_2?ie=UTF8&qid=1429202871$sr=8-2&keywords=sprague+electric)

BUSINESS CARD ADS

We invite all of our members to scan and send in your business card to be included in *ARCI News*. For \$80 your card will appear in the next 6 issues! Your card will be seen by approximately 400 people per issue and up to 1,000 people at *Radiofest* where we make additional copies of *ARCI News* available at no charge. If interested, please scan your card and send it to jbart1964@gmail.com and mail a check for \$80 to Rudy Hecker, ARCI Treasurer, 127 Weymouth Court, Schaumburg, IL 60193. Thank you all for your continued support of ARCI!!!



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CLUBING AROUND

ANTIQUÉ WIRELESS ASSOCIATION

The AWA will hold its annual membership and board meetings on Sun., Nov. 1 in the Conference Center (across the street from the museum) at the AWA's Antique Wireless Museum complex at 6925 Routes 5 & 20 (intersection with Rt. 444) in Bloomfield, NY. All members are welcome. The AWA, our national affiliate, publishes the AWA Journal and the AWA Review. Dues are \$35 per year. For more information, please see www.antiquewireless.org.

WISCONSIN ANTIQUE RADIO CLUB, INC.

The next WARCI meeting will take place Sun., Nov 8 at "The Terminal", located at 5917 South Howell Street in Milwaukee near the airport from 7AM-11AM. For information about the club, please contact President Greg Hunolt at ghunolt@excel.net or see the web site at www.warci.org.

NORTHLAND ANTIQUE RADIO CLUB

NARC's annual fall indoor swap meet will be held on Sun., Sept. 27 at the Pavék Museum of Broadcasting; 3517 Raleigh Ave., St. Louis Park, Minnesota. The NARC Fall Indoor Swap Meet will be Nov. 7. For information, please see <http://www.northlandantiqueradioclub.com/index.shtml>.

MICHIGAN ANTIQUE RADIO CLUB

For more information on the schedule for MARC's Vintage Electronics Expo please contact John Reinicke at jreinicke@comcast.net.

INDIANA HISTORICAL RADIO SOCIETY

The IHRS Fall Foliage Meet will be on Oct. 10 at 8:00am at the Riley Park Shelter, Greenfield, Indiana. (One block north of US40 on Apple Street.) For more information please see <http://www.indianahistoricalradio.org/ihrsched.htm>.



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ARCI NEWS

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