

The Jersey Broadcaster

NEWSLETTER OF THE NEW JERSEY ANTIQUE RADIO CLUB

November 1998

Volume 4 Issue 11



MEETING/ ACTIVITY NOTES

Reported by Marv Beeferman

The lighter than usual turnout at the October meeting was expected with an early morning return trip required to attend Saturday's swapmeet; perhaps this is a lesson-learned for scheduling the next event. All in all, members made a respectable showing (about 25). Comparing our membership total of 150 to other clubs approaching 1,000, our average meeting attendance to membership ratio of about 1:3 is outstanding. To place it in perspective, the August meeting of a major Mid-Atlantic antique radio club drew 42 members. We must be doing something right!

Our October swapmeet was very successful; thanks again to Board members and volunteers who again provided enthusiastic support. A special thanks goes to Marsha Simkin who established a centralized location at the club table for collecting fees, providing information, signing up new members and promoting the club. Thanks also goes to John Dilks for adding the unique touch of his Mobile Museum and reminding us of what the hobby is really all about...offering and sharing information in the form of actual artifacts that are not normally available for first-hand viewing. (John is typical of the type of spirit described by Marc Ellis in this column's closing remarks.)

With 42 vendors and 48 tables, the meet was another sellout. Both President Phil Vourtsis and I were very pleased (and pleasantly surprised) how smoothly the new marking system for table locations worked out; plenty of room and no complaints. Setup was fast and efficient with many vendors showing up after 7:00 AM, preventing the usual long vehicle



MEETING NOTICE

The next meeting of the NJARC will take place on Friday, October 9th at 7:30 PM in the Grace Lutheran Church, corner of Route 33 and Main Street in Freehold. Contact Marv Beeferman at 609-693-9430 or Phil Vourtsis at 732-870-7104 for directions. This month's meeting will feature "Paragon Radios of the Early 1920s" presented by John Dilks. John requests that any owners of Paragon radios (built by the Adams-Morgan Co. of New Jersey) bring selected examples to the meeting to enhance his presentation. In addition, plans for the NJARC Christmas party, a Tony Flanagan memorial award and the next swapmeet date will also be discussed.

lines waiting to get into the Armory. Catering by Kenny's Kitchen was available early in the day with fresh offerings and reasonable prices. Sale items were numerous and varied but the usual limited showing of early 20's battery sets was noticeable. As a committee of one, my award for the most aesthetically pleasing table layout goes to club member Mark Mittleman. On a more down to earth note, it appears that we will definitely need to resume our policy of a buyer's entrance fee at our next meet. With an increased rental fee, higher advertising fees and a limitation of 50 tables, we are just about breaking even.

Some issues discussed at the Board meeting held prior to the regular meeting were presented to the membership. Two minor Constitution changes were approved:

- A member returning to the club need only pay a year's dues for reinstatement, no matter how long the non-membership period has been, and
- A discrepancy was resolved where originally, in one section of the Constitution, a two-thirds vote of attending members was required for changes while a majority vote was required in another section. In the future, only a majority vote will be required.

The membership also approved the acquisition of a scanner to facilitate adding photos to the *Broadcaster*, a TV/VCR to be kept at the meeting hall to facilitate showing tapes at technical sessions and a magazine rack to display newsletters from other clubs. Members also congratulated Marty Friedman on assuming the post of Board Member. Finally, the creation of a telephone chain was approved for use in the event that important information must be dispersed to all club members prior to a meeting (like the passing of club founder Tony Flanagan).

Treasurer Sal Brisindi reported that transfer of accounts from Jerry Dowgin has been completed with working capital being held in a checking account and the remainder maintained in a 5.15%, 7-year CD. Thanks Sal for the smooth transition of this responsibility.

Part of the evening was devoted to a tribute to Tony Flanagan by the viewing of a tape of his appearance (along with Mark Mittleman and Dave Sica) on "Hobbyland," a local television program aired in the early days of the NJARC. Many new members never knew Tony, and this gave them a first hand example of the how far Tony went to promote the club. When you consider how unnerving it is to get up in front of a TV camera on very short notice, with no script, and discuss examples of your collection that you only had a few

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published a minimum of ten times each year, is the newsletter of the New Jersey Antique Radio Club (NJARC) which is dedicated to preserving the history and enhancing the knowledge of radio and related disciplines with special emphasis on contributions made by the state of New Jersey. Dues are \$15 per year and meetings are held the second Friday of each month at the Grace Lutheran Church, corner of Route 33 and Main Street in Freehold N.J. The Editor or NJARC is not liable for any buying and selling transactions or for any other use of the contents of this publication.

OFFICERS, BOARD OF DIRECTORS AND PROGRAM COORDINATORS**PRESIDENT/VIDEOS:**

Phil Vourtsis
13 Cornell Place
Manalapan, N.J. 07726
(732)-446-2427

VICE PRESIDENT:

Jim Fisher
344 Harrison Ave.
Manville, N.J. 08835
(908)-725-7476

SECRETARY/EDITOR:

Marv Beeferman
2265 Emerald Park Drive
Forked River, N.J. 08731
(609)-693-9430

TREASURER:

Sal Brisindi
203 Cannon Road
Freehold, N.J. 07728
(732)-308-1748

SARGEANT-AT-ARMS:

Dave Snellman
Box 5113
New Britain, PA 18091
(215)-345-4248

TRUSTEES:

Mark Mittlemen (908)-431-1324
Gary D'Amico (732)-271-0421
Tony Flanagan (908)-462-6638

TECHNICAL COORDINATOR:

Al Klase
22 Cherryville-Station Road
Flemington, N.J. 08822
(908)-782-4829

TUBE PROGRAM:

Gary D'Amico
84 Noble Street
South Bound Brook, N.J. 08880
(732)-271-0421

SCHEMATIC PROGRAM:

Aaron Hunter
23 Lenape Trail
Southampton, N.J. 08088
(609)-267-3065

CAPACITOR PROGRAM:

John Ruccolo
335 Butcher Rd.
Hightstown, N.J. 08520
(609)-426-4568

WEB COORDINATOR

John Dilks, K2TQN
(609)-927-3873
<http://www.eht.com/oldradio>

hours to gather together, you get a good idea of Tony's "chutpah."

The remainder of the evening was actively filled by Al Klase's presentation on "Mounting Mineral Crystals," or, as Al likes to describe it, "Roll your own detector crystals." A synopsis of the presentation is included in this month's *Broadcaster*.

In closing, it was very heartwarming to hear all the kind words directed toward Tony Flanagan after his passing. It would take an entire issue to reproduce them here. Instead, allow me to include some comments made by AWA editor Marc Ellis which seem to represent them all, both from the standpoint of Tony as an individual and the nature of the membership that he was instrumental in establishing:

"As it happen I knew Tony - not REALLY well, but well enough to call him a friend. He was very helpful to me when I was starting a collector newsletter ("The Radio Collector") that I published for a few years. Whenever his travels took him to Chicago (seemed like at least once a year), he called me and insisted on taking me out to lunch. I was just beginning to wonder why I hadn't heard from him for so long...

I remember one occasion when, as it happened, we both had plans to attend the EXTRAVAGANZA meet in Michigan. During one of our lunches, long before, I had described the old VW camper I liked to take to meets. Arriving at the meet, I was just trying to find the entrance gate, when I saw a figure advancing purposefully across the flea market in my direction. He was waving and smiling, and gave me a big "hi Marc," almost before he was close enough to see that it was me. I couldn't imagine how he recognized me! "Well, you told me about your camper," he said.

I really enjoyed that directness of his...As far as his issues with AWA are concerned - as I understand them - I think he was mostly annoyed with the cliquishness of it. He felt that the powers in the organization were an "old boys network" that wasn't responsive enough to new ideas and new people. There are many AWA officers who would agree with that, and are looking for ways to

open things up more for the newer generation of collectors...

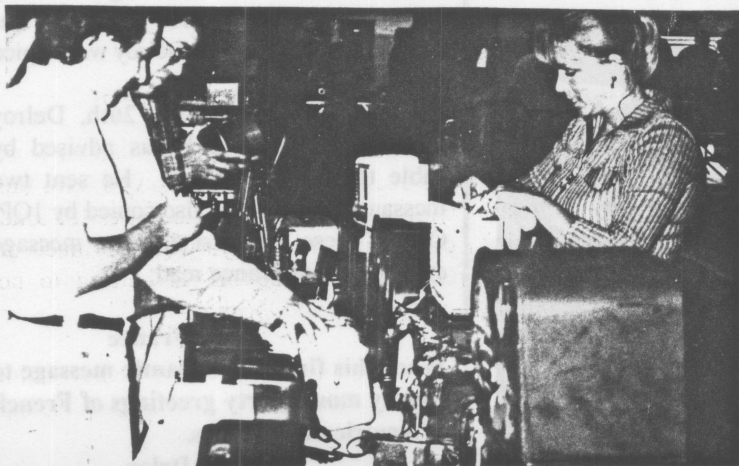
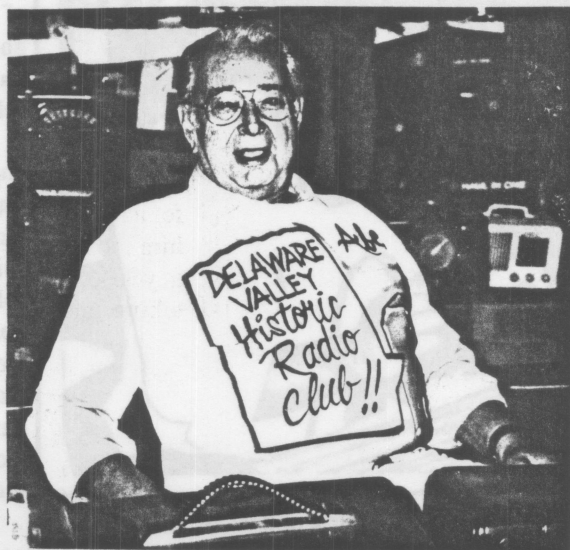
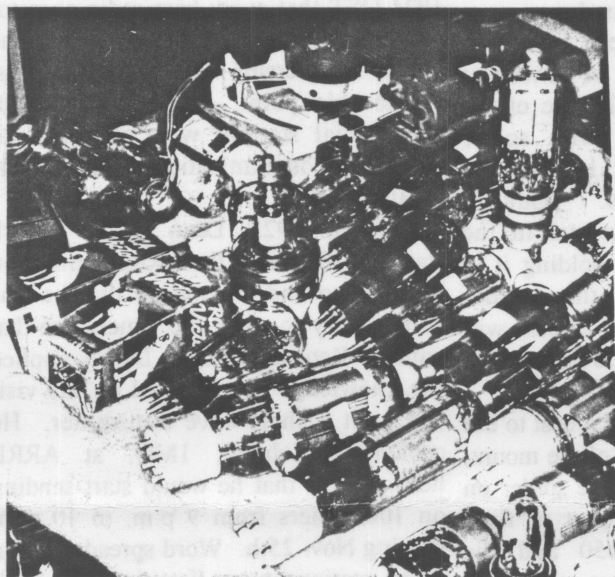
I've listed Tony in the November "Silent Keys" even though, strictly speaking I shouldn't have because he is not on their membership list. But I can't give him a "bio" there. Here's what I would suggest. I'm sure that NJARC will establish some sort of memorial award for Tony - perhaps a yearly event of some kind. When you do that, send the info to me as a news item - maybe we can even run a picture of the person getting the first award. We'll run it as a special item in a box and tell a little about Tony's contributions to the hobby and the club.

By the way, I've had some really enjoyable contacts with NJARC members at Rochester. Only seeing them briefly once a year, I haven't gotten to know any of them very well. But they have been very generous to me with help and information. One guy a few years back found a Philco 70 cabinet I needed and brought it to the meet - then took me around to meet several other club members who supplied accessories (bezel, knobs, etc.). In about 15 minutes, I had everything I needed, and the guys who supplied the accessories refused to take a penny for them!

I could tell you about several other encounters like that - the last one at the last Rochester meet. I had put an ad in the last OTB looking for a Traceometer manual. No replies. However, walking along in the flea market with my eyes on the ground looking under the tables, I suddenly had a Traceometer manual shoved in my face. Beautiful copy with even a color Xerox cover. Looking up, I saw it was one of you guys. Wish I wasn't so lousy at names, cause I can't tell you who it was. I know him only by sight. "I was going to mail it," he said, "but I knew you'd be here."

Seems like the NJARC folks, at least the ones I've met, know how to have fun with the hobby and how to share. It's kind of unusual these days when so much of what used to be fun is getting to be competitive and 'businesslike.'"

Marc summed up Tony's legacy quite nicely... "know how to have fun with the hobby and how to share."

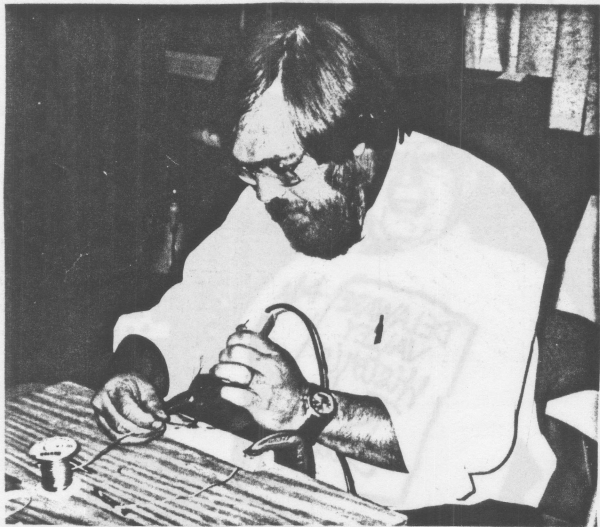


ROLL YOUR OWN DETECTOR CRYSTALS

By Al Klase, N3FRQ

Mineral Crystal Sources

Usable mineral detector crystals are surprisingly easy to procure. The obvious sources are rock shops and the gift shops in science museums. Souvenir stores will



often have local mineral samples, and even the Mall is a potential radio parts store; check the Science Store, the Nature Store, etc. Almost anything that is crystalline and appears metallic is a candidate.

By far, the best detector crystal is galena (lead sulfide). Fools gold (iron pyrite) is another candidate, and actually seems better than galena for short waves. Other usable minerals include chalcopryite, bornite, cerussite, and molybdenite.

Early wireless detectors such as silicon metal and carborundum (SiC) were among the most effective but are not minerals and do not occur in nature. Germanium metal, gallium arsenide, gallium phosphide, indium antimonide and other compounds of group III and group V elements are even more recent additions to the list of semiconductor substances but, again, none of these occur in nature as minerals.

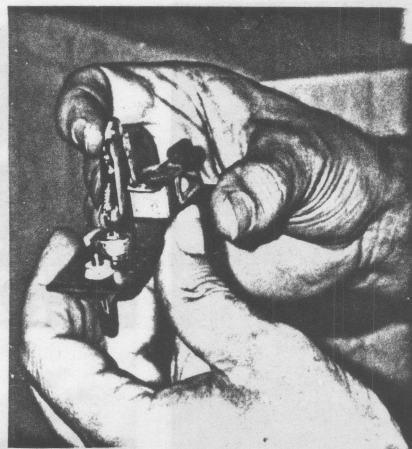
Mounting Mineral Crystals

It is possible to mount mineral samples for use in crystal detectors in the home workshop. There have been persistent claims in the hobbyist press that this needs to be done using low melting-point alloys such as woods metal. However, my experience has been that specimens can be mounted in common solder if a little care is exercised.

A simple mold can be fashioned from wood. Secure a piece of dense hardwood, such as oak or maple, about a quarter of an inch thick. Bore several clean half-inch holes through the wood. Place the drilled piece on top of a second piece of the same stock, and C-clamp the pair to the edge of your workbench. The goal is to eliminate all chance of spilling molten solder into your lap.

With a piece of crystal and a pair of tweezers standing by, fill one of the mold cavities with solder using a small hot iron or soldering gun. Quickly position the crystal in the molten solder, holding it in place until the solder hardens. The crystal will most likely try to float on the solder.

I have found it best to use solid core solder for the bulk of the mount, and then add a little rosin-core solder on top to provide a small amount of flux. Plumbers solder, both 50/50 and the



modern lead free variety, has been used with good results. If you use all rosin-core, the excess flux will bubble and boil and generally make a mess.

After everything has cooled thoroughly, disassemble the mold. You will probably have to force the mounted crystal out of the mold with a dowel.

75 YEARS AGO IN HAM RADIO

By John Dilks, K2TQN

Transatlantic Amateur Communications Accomplished!

1MO and 1XAM Work French 8AB

This was the headline in the January 1924 QST that every ham radio operator was waiting for. For several years, the ARRL membership had dreamed of this. Up to this point, only very powerful commercial stations were able to hold two-way communications across the Atlantic.

Early in 1923, Leon Deloy, French station 8AB, visited the ARRL convention in Chicago and announced that he was going to try to work the Americans that winter. Returning home, Deloy applied the knowledge he collected on his visit and built a short-wave transmitter. He cabled F. Schnell, 1MO, at ARRL headquarters that he would start sending on 100 meters from 9 p.m. to 10 p.m. starting Nov. 25th. Word spread fast and many stations were listening. Schnell built a special short wave tuner and was ready. At 9 p.m. sharp, Deloy was copied from the first word.

The next night, Nov. 26th, Deloy again transmitted and was advised by cable that he was QRK. He sent two messages which were also copied by 1QP. One of these, the first amateur message ever sent from France read:

Nice, France

Want this first transatlantic message to convey most hearty greetings of French to American amateurs.

Leon Deloy

A second message transmitted the scheduled for another transmission and proposed listening for a reply on the same "wave" (frequency). Meanwhile, IMO received permission from the "supervisor of Radio" to test on short wave. On the following night of Nov. 27th, all was ready.

Delroy came on at 9:30 and for one hour called and sent two more messages. Signing off, he asked for a QSL. IMO gave him a long call on 110 meters and European and American amateurs were working each other for the first time. Delroy came right back! It brought the thrill of a lifetime. Congratulatory messages were then sent to each other and several other amateurs; other American stations also made contact.

Of course, there is much more to this story, and it can be read in its entirety in the January 1924 issue of QST. I will be happy to supply a photocopy if you send me a SASE business size envelope.

This month, the Antique Wireless Association will celebrate the 75th anniversary of this first transatlantic QSO with a Reinartz three-tube receiver and a replica of IMO's transmitter using four 203 tubes. Listen for the replica transmitter from AWA Museum station W2AN on Nov. 27th at 2300 UTC on or about 3.525 Mhz. Listen again on Nov. 28th, same time. Use your receiver's wide filter, as this transmitter is a free running oscillator and will be moving around somewhat.

SEMPER FI

Thanks to Dave Chmielewski for this "On and Off the Avenue" column from the October 19th, 1998 issue of "The New Yorker"...Ed

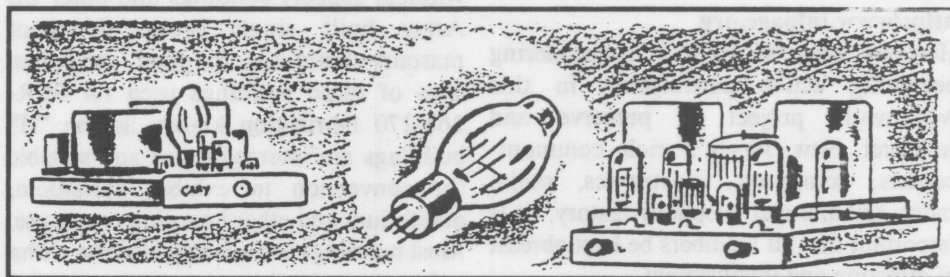
These are the Dark Ages of hi-fi. Only a few lonely fanatics still huddle around their vinyl records and analog vacuum-tube amplifiers, preserving the old technology against the conquering digital barbarians. Even if you've thrown out your last LPs, hooking up your disk player to a tube amplifier can give those cold, savage CDs some real human warmth. Today's mass-produced stereo equipment is designed to

be tossed when the next new gimmick comes along. Tube amplification, by contrast, promises durability and sonority - and a link to the legacy of that old-fashioned concept called "high fidelity."

Andy Singer, the white-bearded proprietor of **Sound by Singer** (18 E. 16th St.; 924-8600), has a conspiratorial glint in his eye which suggests a countercultural past. His shop is cluttered and comfortable, and he'll set you up with anything you need, at any budget. "I'll get as evangelical as I can until I see the eyes glaze over," Singer says about his analog pitch. What he really wants to turn you on to is the hard-line fundamentalist system: a single-ended, direct-heated triode, vacuum-tube amplifier. This technology hasn't changed much since the twenties, and, to purists, it's still considered the purest sound around.

While most high-end amplifiers are

Blackie Pagano's got a lot of ink on him - from the word "lonesome" tattooed on his jugular to the image of the Virgin of Guadeloupe inside a shapely 300B tube that decorates his right triceps. Pagano is a craftsman - he loves tinkering with capacitors and resistors as much as he loves the "ripe" stereo sound he searches for. **Tubeville**, his silver-painted storefront, at 153 Ludlow Street (529-7345), is a rock-and-roll emergency room. The guts of guitar amps litter the floor, huge rolls of wire, boxes of dead tubes, and weird testing devices line the shelves; and cathode-ray oscilloscopes waver and quiver. Pagano can explain the subtle differences in obscure vintage tubes with the avuncularity of a good elementary-school science teacher. Doo-wop groups like the Five Satins can often be heard in the shop, since a-cappella music is a great test for his amps. "Our ears are so attuned



sleek, Spartan powerhouses (see the 1,200-watt Vacuum Tube Logic Wotan, at \$27,500), Singer favors the Cary CAD-805C Monoblock, which looks like at science-fair project gone haywire. Most of this amp's electronics are right out in the open: it sports a set of wicked-looking black-box transformers behind a voluptuous 300B vacuum tube. (Known as "God's tubes," 300Bs were first used in thirties movie-house amplifiers and are favored in the stereo industry for their power and warmth.) There are no buttons on the front, just a gauge in the form of an uncanny green eye, staring at you. (It takes two of these units to create stereo sound; a pair goes for \$9,000.) Singer can hook you up with the Audio Note Gaku-On, a \$175,000 amplifier made of twenty-one pounds of microscopic silver wire (wound by hand) and tubes dating back to 1942. But he can also set you on the path to enlightenment with a Jolida 202a (\$695), a sonorous starter set with a chrome-jukebox feel.

to the bandwidth of the human voice," he says, "that distortions are immediately obvious."

Pagano builds high-end home stereos, priced from \$2,500 to \$12,000 to suit customers' ideas and specifications. He experiments with tubes even more esoteric than the 300B (which he finds hopelessly mainstream), and likens his design aesthetic to tricked-out hot rods with a military influence. His latest amplifier sits on the workbench: a burnished-steel chassis with chrome handles and bullet-shaped nuts is topped by an array of tubes and a power transformer that looks like a twenty-pound doughnut wrapped in wax paper.

For the novice, Pagano doesn't recommend entry-level analog items from specialty shops: "Find a Dynaco Stereo 70," from the early sixties, he says--they can be had at flea markets for under fifty dollars - "and then bring it to me to fix up."

WELCOME TO THE INFOAGE

CAMP EVANS UPDATE

By Marv Beeferman

It has been six months since my last update of the progress of the Camp Evans Information Age Learning Center. Since then, major advances have been made, most significantly approval by the Marconi Park Complex Advisory Committee of InfoAge as an educational re-use of Camp Evans. The majority of the following information may be found directly on the organization's web site at the following address:

<http://www.infoage.org>

However, since the NJARC is considering becoming active participants in this worthwhile project to preserve and interpret New Jersey's rich communications, computers, electronics, radio, radar, satellite and telephony history, it is important that all members be kept abreast of direction and involvement.

In the way of background, Camp Evans, is presently undergoing the completion of environmental remediation by the Army Signal Corps before it is officially turned over to Monmouth. It is the site of the Belmar Station of the Marconi Wireless Telegraph Company of America built in 1913. In 1914, Edwin Armstrong and David Sarnoff perfected Armstrong's regenerative circuit which revolutionized radio reception. Later, the U.S. Army Signal Corps used the site to develop and fabricate SCR-268/270 radar units which provided America's first World War II radar defense until more advanced units could be developed. Evans also served the Army as the center of vacuum tube development and research. In April 1945, radar scientists at Evans supplied Manhattan Project Scientists at Los Alamos with radar devices to detonate the Hiroshima and Nagasaki atomic bombs. In 1946, Project Diana opened the "Space Age" by reflecting radar signals off the moon. In the 1950s, satellite payloads for

Vanguard I and II were developed. Also in the 1950s, Signal Corps scientists drove the silicon based transistor industry to commercial viability to meet military radio, radar and satellite power and miniaturization needs. In addition, development and testing of communication devices to support rapid and flexible all-weather warfare took place. From 1952 up to today, Evans was the site of the US Army radiation dosimetry Laboratory.

The site itself is easily accessible from the north and south using Route 18 and accessible from the west via Highway 195 and Route 18 and does not require travel through local neighborhoods. It has two large parking lots for cars and buses, and a twelve foot, barbed wire fence surrounds the area to create a secure and safe family environment. The site includes the historic Marconi 45 room hotel (including a dining room, attic and basement), wireless support buildings and other US Army built single story, fire-proof masonry buildings in good condition. Two of these buildings used for SCR-268/270 fabrication known as the "H" buildings are interconnected and suitable for conversion to exhibit, classroom, auditorium and other Learning center use. Most buildings are available for use with only cosmetic improvements; interior renovation is the only requirement for exhibition space.

Besides the NJARC, other organizations that have expressed an interest in either relocating to the site or support efforts to develop the center include: National Broadcasters Hall of Fame, NJ Science Teachers Association, NJ Science Supervisors Association, Marconi Chapter - Quarter Century Wireless Association, North Jersey Chapter - Radio Relay League, MARS (Ft. Monmouth Station), Armed Forces Communications and Electronics Association, Center for the History of Electrical Engineering (IEEE - Rutgers), Association of Old Crows, Telephone Pioneers of America and AT&T (employees through the community service program).

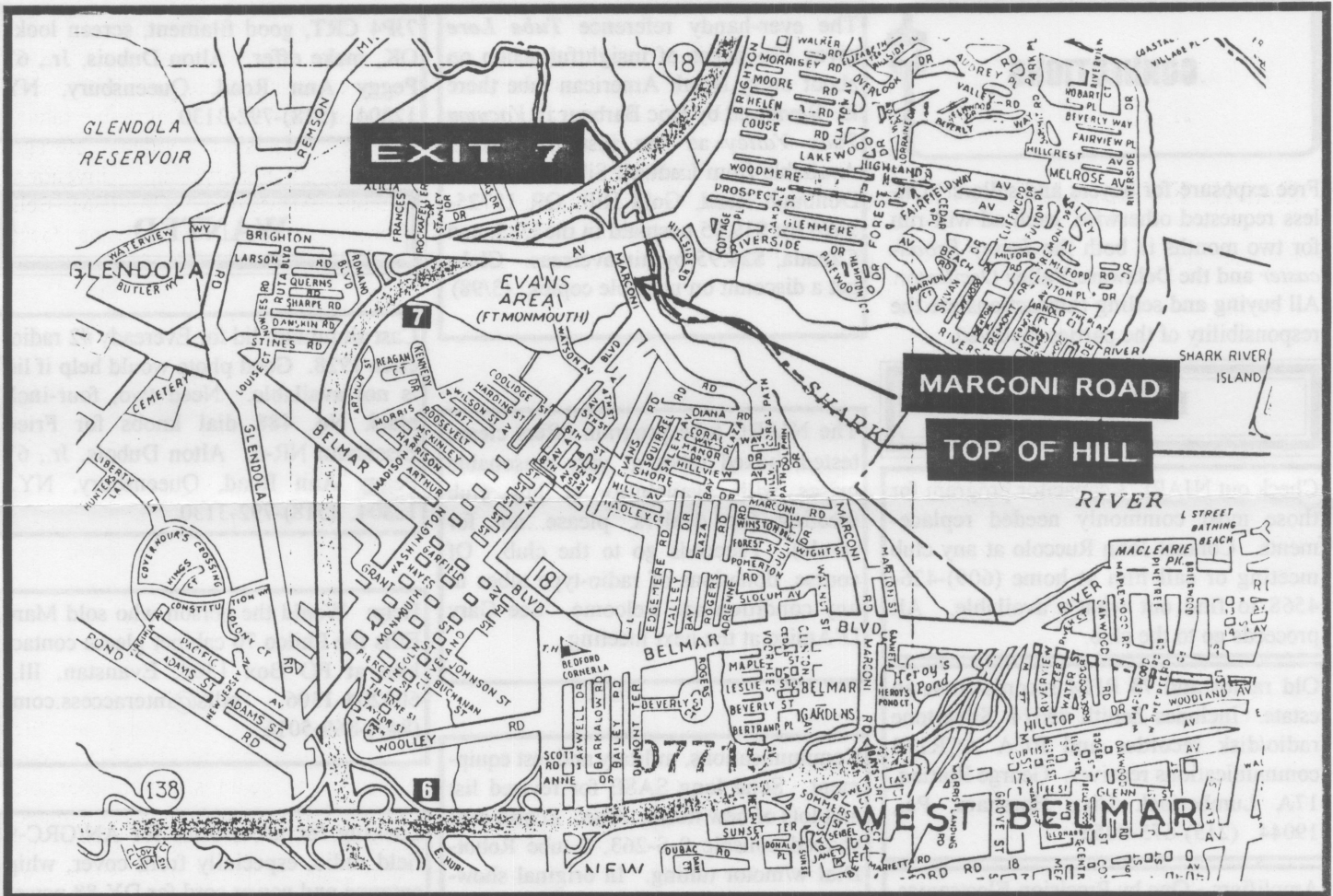
The Learning Center is considering highlighting a number of areas of science and technology involved with information transmission, storage and processing. They include basic sciences and technologies (electronics, wave-theory,

radio, radar, semi-conductors, circuit technology), applied sciences and inventions (computers, telephones and telephone networks, telegraph, radar, wireless, television, video, storage technology), history and invention (Marconi, Armstrong, RCA, IBM, Bell Laboratories) and Camp Evans local history. The main thrust of the majority of exhibits will be interactive/hands-on centers as opposed to those contained in dusty glass display cases. Most exhibits are planned to be constructed on site supplemented by the purchase or lease of successful exhibits from existing science centers. An important aspect of the center will be the reliance on professional organizations and non-profit groups such as NJARC as a constant source of new ideas, improvements, and as a force to keep the intellectual content of the center current and maintain a loyal audience.

In October of 1997, AT&T donated to InfoAge an Amdahl 42 MIP ECL processor built in 1987 and all the supporting equipment (DASD, controllers, 3480 tape units, motor generator, etc.) needed to set up a 1990 vintage datacenter. Amdahl de-installed the machine and prepared it for storage at Camp Evans, all 3 tons of it. As computer technology continues its advances in miniaturization and integration, in a few short years, the size of these 1987 processors will have to be seen to be believed.

When the machine was new, it was sold to AT&T for over \$6 million dollars and took only five or six technicians a full weekend to install. If it failed, a support individual at the manufacturer's headquarters could dial up the machine and diagnose the failure over the phone. In the future, InfoAge hopes to secure information on how the machine was designed, manufactured, marketed, supported and the work it performed for the corporations who used it. As time marches on, this information will fade unless it is captured now when people can remember.

If you care to drive by the future site of InfoAge and see the 1914 Marconi buildings, a map is provided on the next page. Once you get on Marconi Road, InfoAge is at the top of the hill on the right.



BLASTS FROM THE PAST

(Contributed by Our Members)

The following was sent in by Irwin Sobelman; it was found in the "Half A Century Ago" column of *The Observer* for March 11, 1998:

After two weeks of around the clock detective work, Harrison Police arrested a suspect for the theft of \$45,000 worth of radio tubes from the Harrison RCA plant, according to the March 11, 1948 *Observer*.

RCA employee and Army veteran Edward Nickadowicz, 23, was arrested after police pinpointed a significant decrease in the inventory of tubes after his

shift.

Mr. Nickadowicz confessed to the theft, and was remanded to the county jail without bail on the charge of grand larceny.

Considering the cost of tubes in 1948 and the total value of those pilfered, the logistics of getting that many tubes out of the plant must have been interesting...Ed

From Richard Lee comes this tidbit from the "Let's Look Back" column of the *Suffolk Times* for September 10, 1998:

50 Years Ago

New use for radio: The models of portable radios or so-called battery sets are extensively advertised for the use of vacationists, but their use as a safe-deposit box is something entirely new.

Several days ago, one of these popular portable sets was left at one of the local radio repair shops to have new batteries

installed. When the repairman took out the batteries to replace them, what was his surprise to find two 100-dollar bills carefully spread out under the batteries. When the set was returned to the owner and he was also handed the 200 dollars, he was greatly surprised, as he had forgotten all about hiding the money in the radio for safekeeping.

Reminds me of the time when I was working in Pennsylvania and had three radio auctions to choose from on the same day. At one that I previewed, some of the metal-boxed AK's were in cartons. While examining one, I found approximately 10 old stock certificates under the radio. Relying on my great sense of timing, I figured that I could get the pieces I wanted from the first two auctions, quickly return to the third and retire a millionaire. Well, seeing that I still drive an '85 Grand Marquis, you can figure out the rest of the story. I still wonder if this might have been a ploy on the part of the auctioneer to get a good price?...Ed

CONNECTIONS

Free exposure for buyers and sellers! Unless requested otherwise, each ad will run for two months in both the *Jersey Broadcaster* and the *Delaware Valley Oscillator*. All buying and selling transactions are the responsibility of the parties involved.

FOR SALE

Check out NJARC's capacitor program for those most commonly needed replacements. Contact John Ruccolo at any club meeting or call him at home (609)-426-4568 to find out what's available. All proceeds go to the club.

Old radios and 78 RPM records from an estate. Includes Zenith #5614, Silvertone radio/disk recorder and RCA ACR175 communications receiver. George Rottina, 17A Lumberjack Cir., Horsham, Pa., 19044. (215)-675-9055

Amplifiers - One by Precision Electronics, Inc., Model "Music Lovers High Fidelity Amplifier," one by Challenger Amplifier Co., Model CC18 - 80W. \$40.00 each (plus). Beitman's "Most Often Needed Servicing Information for F.M. and Television," 1947...also for Television, 1951. Both books, \$25 (plus). Elwood Hunt, 308 Georgetown Rd., Carneys Point, NJ, 08069. (609)-299-5259

The ever-handly reference *Tube Lore* gives 186 pages of insightful scoop on about every North American tube there is. Reviewed by Eric Barbour in *Vacuum Tube Valley* as "an instant classic." Available from Ludwell Sibley, 102 McDonough Road, Gold Hill, OR 9725-9626 for \$19.95 postpaid in the U. S. and Canada, \$24.95 by air overseas. Clubs get a discount on multiple copies. (3/98)

The NJARC tube program offers clean, tested, boxed tubes at very reasonable prices with availability at any club meeting (no dealers, please...not for resale). Proceeds go to the club. Of course, donations of radio-type tubes in any condition are welcome. See Gary D'Amico at the next meeting.

Communications, military and test equipment. Send long SASE for revised list and lots of new items. Also: Zenith oval shaped console 9-S-263, 9-tube Robot-Dial w/motor tuning. In original showroom condition - \$995 - or best offer. Eveready battery set (uses type 240 tubes), good condition - \$100 -. Pair of Electro-Voice Aristocrat corner enclosures with University 312, 8-ohm, 25 watt triax speakers...sound is great, condition is good - \$300 -. Ray Chase, 1350 Marlborough Ave., Plainfield, N.J. 07060. (908)-757-9741. (12/98)

7JP4 CRT, good filament, screen looks OK, make offer. Alton Dubois, Jr., 67 Peggy Ann Road, Queensbury, NY 12804. (518)-792-3130.

WANTED

Cast aluminum lid for Eveready #2 radio, circa 1928. Good photo would help if lid is not available. Need two, four-inch black No. 488 dial knobs for Fried Eisemann NR-6. Alton Dubois, Jr., 67 Peggy Ann Road, Queensbury, NY., 12804. (518)-792-3130.

Help: Would the person who sold Marc Ellis the Philco 70 cabinet please contact him at PO Box 1306, Evanston, Ill., 600204-1306. ellis@interaccess.com, (847)-869-5016.

Looking for accessories for AN/GRC-9 field radio, especially front cover, whip antenna and power cord for DY-88 power supply. Al Klase, (908)-782-4829, skywaves@bw.webex.net

Would the individual selling a Marantz amplifier at the October NJARC swapmeet please contact Dave Sica at (732)-382-0618.

"Triple A" Grade Minerals

These minerals are from the same high grade stock as our Arlington Tested Minerals, but they are subjected to bulk tests only and are not individually examined. They are sold by the ounce, 1 ounce being sufficient for from six to twelve renewals. Packed in round wooden boxes, sealed and labeled. Specially recommended to radio clubs, experimental stations, etc. Shipping weight, per 1-ounce box, about 3 ounces.



No. 57A7188	Triple A Galena, 1-ounce box.....	25c
No. 57A7189	Triple A Silicon, 1-ounce box.....	25c
No. 57A7178	Triple A Bornite, 1-ounce box.....	30c
No. 57A7179	Triple A Copper Pyrites, 1-ounce box.....	25c
No. 57A7180	Triple A Iron Pyrites, 1-ounce box.....	25c
No. 57A7181	Triple A Molybdenum, 1-ounce box.....	20c
No. 57A7182	Triple A Carborundum, 1-ounce box.....	25c
No. 57A7244	Triple A Zincite, 1/4-ounce box.....	35c