



K7EAR



February 2010

EAARS open repeaters. PL is 141.3 unless noted otherwise

Helio 146.860 and 440.700 EAARS Network, 146.900, 447.825 w/ closed remote PL 100.0 or 141.3. Packet 145.010 **MT. Lemmon** 147.160 EAARS Network **Pinal Peak** 145.41 EAARS Network **Guthrie Peak** 147.28 EAARS Network **South Mountain, Alpine** 145.27 EAARS Network **Jacks Peak, NM** 145.21 EAARS Network
GMRS Repeater on Helio 462.625 PL 123.0
Website [HTTP://WWW.EAARS.COM](http://WWW.EAARS.COM)

Next Meeting

March 16th at Search and Rescue in Safford. Arrive at 6:30, Meeting at 7 PM

Elections

We retained all the same officers for 2010

Dues Drawing

The lucky member this year was KD7VR

License Testing

I've had a request for a test session in the next month or so. If you are interested in taking a test let me know and I'll get it set up. Dave N7AM 965-8327

New Emergency Services Net

A group has requesting using the network on Saturday mornings for an emergency services net. Ben, N7XL is in contact with the group and I'll have more details as I get them.

From ARRL Web

Amateur Radio Quiz: Blasts from the Past

By H. Ward Silver, N0AX
ARRL Contributing Editor
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With all of the old QST magazines online for ARRL members, why not take a tour through radio history and see if you can find the answers to these questions in the articles and advertising sections!

- 1) A flying animal graced the cover of this popular shack reference -- name the animal *and* the reference!
- 2) Which Amateur Radio vendor was owned by "Uncle Leo?"
- 3) Match the electronic "jobber" with the city.
 - a. Burstein-Applebee e. Syosset
 - b. Lafayette Electronics f. Kansas City
 - c. Butler Radio g. Chicago
 - d. Cortland Radio h. Los Angeles
- 4) Match the slang with the manufacturer:
 - a. Squawk Boxes e. Drake
 - b. Hot Water f. Heath
 - c. Twins g. Gotham
 - d. Flash! h. Gonset
- 5) Who manufactured the Super-Pro receiver? Hammarlund or Hallicrafters?
- 6) What was one of antenna manufacturer Mosley Electronics' first products?
 - a. receiver
 - b. transmitter
 - c. keyer
 - d. amplifier
- 7) Radio Row and the World Trade Center had what in common?
- 8) Name the manufacturer of the "Trans-Oceanic" and its most famous advertising slogan.
- 9) What type of equipment would have been manufactured by Brown Brothers?
 - a. headphones
 - b. keying paddle
 - c. microphone
 - d. SWR meter
- 10) What was the name of the E. F. Johnson amplifier based on the 4-400 tube?
 - a. Ultra
 - b. Thunderbolt
 - c. Bandsweeper
 - d. Annihilator

11) What were vacuum tubes called in RCA's classic design manual?

- a. Radiotrons
- b. Valves
- c. Thyristors
- d. Quasars

12) What type of components are these?

- a. Brown Devil
- b. Orange Drop
- c. Nuvistor
- d. Breadslicer
- e. Dog bone
- f. Nixie

13) The most widely modified surplus transmitter after World War was the ARC-_____.

- a. 3
- b. 5
- c. 9
- d. 11

14. Match the product names and types:

- a. MICRO-TO f. Receiver
- b. Navigator g. Transmitter
- c. Cherokee h. Amplifier
- d. 75A4 i. Transmitter
- e. Warrior j. Keyer

15. What word added before "Ranger" would change it from a transmitter to a receiver?

Bonus : Where were Heathkits made?

Answers

1. c and g -- The "Flying Horse" is still the symbol for *Callbook* publications.
2. World Radio Labs and Leo Myerson, W0GFQ, were famous for the Globe series of transmitters.
3. a-f, b-g, c-h, d-e -- These companies were the source of parts for the amateur homebrewer.
4. a-h, b-f, c-e, d-g
5. Hammarlund
6. a -- the CM-1 was manufactured in the early 1960s.
7. Cortlandt Street in New York City
8. Zenith -- "Where the quality goes in before the name goes on."
9. b -- Their attractive paddles and keys featured chrome hardware, distinctive red paddles and knobs, as well as a crinkle-finish black base.
10. b -- Even a version contained in a desk was made.
11. a -- *The Radiotron Design Manual* was the bible of the electronics designer.
12. a -- resistor, b -- capacitor, c -- vacuum tube, d -- variable capacitor, e -- insulator, f -- nu-

meric display

13. b -- The ARC-5s were cheap, abundant and easily modified to work on 40-meters -- they were everywhere!

14. a-j, b-g, c-i, d-f, e-h

15. Adding "Sky" would create the "Sky Ranger" -- a popular receiver made by Hallicrafters.

Bonus -- At home! The company was -- and is! -- located in Benton Harbor, Michigan.

From Amateur Radio Newslite

RADIO LAW: FCC BANS 700 MHz WIRELESS MICS AS OF JUNE 12TH

The FCC has prohibited the further distribution and sale of devices that operate in the 700 MHz band. This, to clear this spectrum for public safety and 4th generation or 4 G consumer communications gear. In its January 15th release, the FCC says that the spectrum in the 700 MHz band had already been auctioned to several wireless service providers following the June 12, 2009 Digital television transition. It also notes that its Order and Further Notice of Proposed Rule-making primarily affects wireless microphones and those who operate them. The FCC says that a sunset period running through mid-June of this is being provided for those currently using 700 MHz wireless mics. As of June 12, 2010 use of those devices will be prohibited. More on this story is on line at www.fcc.gov/cgb/wirelessmicrophones. (FCC)

ENFORCEMENT: \$51 MILLION JUDGEMENT IN SAT-TV SOFTWARE

CASE It's the biggest judgement ever issued against an individual for helping others to obtain pay television without paying the monthly fee. Amateur Radio Newslite's Don Carlson, KQ6FM, is in Reno, with the rest of the story: -- The Dish Network, EchoStar and NagraStar satellite services have won a \$51 million dollar judgement against one Robert Ward. This, after a federal judge in Tampa, Florida, found that Ward had posted software on the Internet that would permit people to receive subscription satellite TV without paying a fee. The three plaintiffs said the summary judgment ruling made two significant findings that will strengthen their companies' ability to pursue cases like this in the future. First the court held that the posting of illegal software constitutes a violation of the Communications Act. Second that the statutory damages in the case should be calculated based on how many individuals downloaded the illegal software. There is a reality to this matter. That being whether or not any of the plaintiffs will be able to collect any or all of the \$51 million dollar judgement against Ward remains to be seen. I'm Don Carlson, KQ6FM, in Reno. -- Collect it or not, the amount of the judgement and its implications to future cases of this type has sent what can best be called shockwaves through the on-line communities that believe that they have a legal right to decode and watch pay television stations free of charge. More on this matter is on-line at <http://www.rbr.com/tv-cable/19881.html> (RBR)

HAM RADIO IN SPACE: NEW AO-7 AMERICAS QSO DISTANCE

RECORD A new distance record has been set within the Americas over an aging ham radio satellite. On Sunday January 24th at 22:52 UTC Joe Spandler, K3SZH in Harrisburg, Pennsyl-

vania, held a short contact with Francisco Ramires, PY2OV in Sao Paulo, Brazil using the 70 cm to 2 meter transponder on the 35 year old AO-7 ham-sat. The distance between the two stations was 7738 km and is believed to be the furthest contact within the Americas, but falls just short of the ZS6BB to EA6SA international contact at a distance of 7766 km. ZS6BB to EA6SA stands as the record for the AO-7 bird which was launched on November 15, 1974 on board a Delta rocket from Vandenberg Air Force Base in California. (Southgate)

HAM RADIO IN SPACE: SUMBANDILLASAT TEMPORARILLY SUSPENDS OPERATIONS The Amateur Radio FM transponder on the SO-67 SumbandilaSat ham radio satellite has been temporarily suspended. This, to permit completion of the satellite commissioning activities According to Jan Albert writing on the On the AMSAT bulletin board, there is little more than 6 weeks left in which to complete the commissioning activities on SumbandilaSat before operations are planned to be handed over in middle-March to the

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Smart Net; Monday evening 7:30 to 8:30 Technical discussion
Weather Net Daily 5:30 AM collect local weather information

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Satellite Application Center. That's who will then continue to operate the satellite on behalf of the Department of Science and Technology which actually owns the satellite. Since progress is currently hampered by the various South Africa AMSAT payload activities, Albert says that there is no choice but to temporarily suspend this service on SO-67. He adds that plans are to have SO 67 back on the air by the end of March or sometime in early April. So far SumbandilaSat has successfully executed more than 320 payload activatin's since hams began using the ham radio payload at the end of 2009. (ANS)