

## HCARES Meeting Notes - 12/6/97

- Andy, N9WCN, opened the meeting at 9:06 AM.
- The meeting next month, January, will be moved from January 3<sup>rd</sup> to Jan 10<sup>th</sup> at Ritron.
- Jane, N9PIQ, said that we have \$1,466.52 in the treasury.
- We suggested sending a donation to Newline. It was approved sending \$ 100 to Newline.
- It was suggested to donate to the ARRL foundation. Steve, W9SH, suggested donating \$ 50 to the organization.
- It was moved and approved to send \$ 100 to the Red Cross.
- Officer Elections – voted on and approved for 1998
  - Matt Heinze for President
  - Fred Overmyer for Vice President
  - Jane Wasmuth for treasurer
  - Ron Sans for Secretary
- Larry Fawbush Award nominations
  - Bob Hendricks - N9XNO
  - Jeff Hendricks - KB9MHW
  - Jane Wasmuth -N9PIQ
  - Steve Henke W9SH
  - Jane Wasmuth is the Winner of the Larry Fawbush award.
- Frank, WB9QEI gave a presentation on Weather Satellite reception.
  - Geo-synchronis Satellites are not as good as the polar orbiting satellites.
  - The satellites operate at about 137.5 0MHz (NOAA-12) (137.62 MHz)(NOAA-14) and are Wide FM. They run about a watt or so. Russian satellite is called Meteor 3-5 (137.85 MHz). The run satellites are not sun synchronous.
  - Need a program to determine when the satellite is overhead.
  - Need a wide band scanner or other receiver. Need a decoder.
  - Need a program like WinOrbit freeware program. [www.shareware.com](http://www.shareware.com), or go to Yahoo and search for WinOrbit.
  - He runs a dual band antenna on is car and tape records the signal in his car and brings it into house and plays the tape back.
  - A program called Wxsat which runs under Windows 95 and public domain program to unscramble the picture. Uses a sound card and can be done on a 486 33 MHz system.
  - There is an article in August QST which helps to get one started with weather satellites.
  - There are 2 US satellites NOAA 12 and 14 and the Russian satellites. The Russian satellites are a bit higher in orbit. Their quality is not as good and it is off frequency. This tends to squew the picture. Supposedly they pick up snow better than the US ones.
  - The US Satellites send both a visible and IR picture at the same time.
- Trunk tracker Scanner – Andy, N9WCN
  - Model Bearcat 895XLT Scanner - \$250 (hand held) base is at about \$330
  - Motorola (Indianapolis and State Police) radio made by Unidine.
  - Fairly large scanner.
  - You input the trunk frequencies into the Trunk system (Indy has 24 of these)
  - The system uses Talk groups (channels). The signal tells the radio what channel or frequency to switch to. The trick was to determine what all the Talk groups are. For example Talk Group 16 is the North District is 16.
  - Radio goes from 29 MHz to 930 MHz
  - Has Military Air coverage.
  - No cellular coverage
  - This uses a data channel to locate where to go to when there is no signal.
  - It will not track GE systems or private calls (Like state police between car to car) and phone patches.
  - Does AM and standard FM but not wide FM and no SSB.
- December 20<sup>th</sup> Food Distribution at Red Cross (Saturday before Christmas). Nned volunteers. See John Wasmuth, AA9KB.