



# The Parasitic Emission



Volume 13, Number 2

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## Meeting Notice by Art Kunst, W3WM

### PROGRAM FOR FEBRUARY MEETING ATV--Amateur Television

One of the club's members Tom Wonderling WA3JBV has been experimenting with one of the newer technical challenges in ham radio -- amateur television. Tom may be the only one in our geographical area who is involved in ATV, and therefore our membership is fortunate in hearing personally of his experiences in getting on the air. Tom is highly qualified to speak on this subject as he is the TV station engineer for WPSX-TV. In addition to Tom's talk on ATV, we will see a color video tape on "Low Definition Television" which is the technical approach for many ATV stations. Many of our club members have a casual interest in ATV and this program may promote increased active participation. Let's provide a good turnout for this meeting; and bring a buddy. Remember, DuBois Senior High School at 7.30 PM on February 15.

\*QCARC\*

Program for March meeting: Ham Radio Engineer Visits Mainland China.

\*QCARC\*

## Banquet Announcement by Paul Silinsky, K3PS

The QCARC is 10 years old this April. Plan now on attending the 10th Anniversary Banquet for the QCARC to be held on Saturday, April 13, at the Lithuanian Club in DuBois. More details will be in the next issue of Parasitic Emission.

\*QCARC\*

## Minutes of the January 1985 Meeting by Bryan Simanic, WA3UFN

The regular meeting of the Quad County Amateur Radio Club was called to order January 18, 1985 by President WA3IHK.

The minutes of the previous meeting were read and approved.

TREASURER REPORT- Checking account balance \$306.26, savings account balance unchanged from two months ago. There have been 24 members pay 1985 club dues to date. There have been 10 members pay 1985 repeater dues to date. Outstanding bills are; \$15.00 for repeater electric and \$26.00 for post office box rent.

COMMITTEE REPORTS- K3PS that the exams are to be given, on the nineteenth as scheduled. The next exams are tentatively set for mid May. Novice/upgrade classes are to start February 6. The classes will last for 12 weeks, 2 1/2 hours each Wednesday, beginning at 6:30 PM. Novice classes will cover theory and code, upgrade classes will cover theory only. WA3UFN reported on the latest happenings with the Crime Watch program. WA3IHK reiterated the needed for everyone to abide by the deadline for submitting handwritten articles for the newsletter. The deadline is, as always, two weeks before the meeting. He also requested any articles for the April newsletter to commemorate the tenth anniversary of the Quad County Amateur Radio Club. Compliments were extended to K3PS for his article, "Reflections", in the January edition.

UNFINISHED BUSINESS- WA3IHK stated that an Exec Board meeting may be set in the next few weeks.

NEW BUSINESS- Suggestion that reservations be made soon, for the annual club banquet, so that we obtain the Saturday we want, in April.



With no further business for the meeting a motion to adjourn was made by K3PS, seconded by KA3DEO, carried. The members in attendance adjourned for the slide presentation "The World Above 50 m.c.".

ATTENDANCE- WA3IHK, K3PS, WA3UFN, KA3MKY, KA3DEO, WB3IQE, WA3GQU, KA3MUJ, W3WM, J. Bishop.

\*QCARC\*

#### USED EQUIPMENT FOR SALE BY OWNER

by Gary Boucher, W3GNR

---, YAESU FT-101E 160-10 METER CW/SSB/AM TRANSCEIVER (\$425, firm). With cables and manuals, D-104 mike, vinyl storage/carrying cover, and Fox-Tango Corp. mod's. Very clean. Features: A pi-network for output matching, built-in 12/110 volt power supplies, fast/slow/off AGC, hot transistor RX front end, a noise blanker (that works), an RF speech processor (best kind), low current drain RX only mode, and split RX input for RX/TX converters. Note: F-T Corp now offering WARC band mod. for \$25. Accessories: DIGITAL FREQUENCY DISPLAY (\$85) for FT/FR series equipment. Used once, like new. 250 HZ IF CW FILTER for FT/FR series equipment (\$39). Like new.

\$\$\$,, FT-101E AND ACCESSORIES FOR \$495.

---, HEATH SB-220 80-10M 2KW PEP LINEAR AMPLIFIER (\$549, firm). With manual. Features: Built-in VSWR bridge, internal switching, compatible with FT-101E (cables, power, etc), pair 3-500Z's, switchable medium/high output, instant-on, and wide range output matching. Good condition, low usage.

\$\$\$,, FT-101E AND SB-220 AS A PACKAGE (\$975). Compare to over \$2300 (discounted) of new gear without 10 Meter QRO!!

---, SWAN 250 6 METER SSB TRANSCEIVER (\$199). With 110VAC power supply, operating manual, and Turner 454X mike. Features: Output matching network and 100+ watt output. Clean. Good condition.

---, SBE 6M MOBILE SSB/AM TRANSCEIVER (\$175). With operating manual and mike. Features: All solid-state, sensitive RX, 10 watts PEP output, squelch, noise blanker, and unique channelized tuning with TX/RX incremental tuning. Excellent audio and appearance. Good condition, never mobile, low usage. Yes, There Was 6 Meter FM in Clearfield

\$\$\$,, 6M TRANSCEIVER PAIR (\$350). Compare to over \$1500 (discounted) of new gear!

---, HEATH 80-11/10M AM/CW MOBILE TWINS (\$75). With partial manuals and 12V mobile supply. Features: Slide rule dials on RX/TX (looks like miniature Apache), crystal RX IF filter, TX VFO, single 6146 final, and pi-network RF output matching. Will work from Heath 110 VAC or modest homebrew TV Xfmr supply for home use. Looks impressive. Some newly licensed Novice/General could have a ball using and experimenting with this rig.

---, HEATH IO-102 5" 5 MHz OSCILLOSCOPE (\$49). With manual and test leads. Features: Solid-state, modern appearance, and internal waveform triggering. Tube clean, looks new and works, but needs some work and alignment.

---, ROYAL ELECTRIC TYPEWRITER (\$89). With complete maintenance manual (really!), spare parts, and plastic shipping/transport case. Good condition.

---, ASR-33 ASCII TELETYPE MACHINE (\$85). With integral eight level punch/reader and several rolls of paper. Serial input. Many used as COMPUTER PRINTERS with simple interface, or direct from some Ham CW/RTTY interfaces. Good working condition.

---, PRO DYNAMIC OMNI-DIRECTIONAL MIKE AND DESK STAND (\$27). Brushed Chrome finish. Very pleasing appearance. Used with Collins 32S1/75S3B combo.

\*\*\*, Reason for selling: All duplicated equipment, and I need the SPACE and BUCKS for computer gear!!! No shipping. Some equipment will have a limited guarantee. Will consider trades of home computers, CW/RTTY/AMTOR interface, Ham software, UHF amateur equipment, and VCR. Call Gary at (814) 375-9765 anytime.

\*QCARC\*

Is anyone interested in obtaining an Amateur Radio Operator license plate? WA3UFN will have a limited supply of MV-904's, the form needed to apply.

\*QCARC\*

Remember to get any Crime Watch reports to WA3UFN by the first Sunday of the month, so he can file the reports to the police stations. A good way to get them to him is to pass them on the FM Net.

\*QCARC\*



## County in 1966

by Clete Reinsel, W3HWM

Back in late 1965, early 1966 while living at Bigler I had acquired several Motorola T51GGV mobile units. I proceeded to set them up on 52.525 Mc. (MHz had not yet been invented). I had two mobiles and a base and kept in touch with the XYL (Toni who was K3EQP, I was then W3WUA). These units were tube type, vibrator powered and ran about 50-60 watts. Simplex range was great with occasional contacts into Cleveland, Ohio, Elmira, NY, and York, Pa.

Bob Harris (then in Clearfield) set a GE base and a mobile T51GGV to join the operation. Ted Ulp from State College soon joined us with a T51GGV.

About 1968 I went to work at WPSX-TV and met Tom Wonderling, WA3JBV. He soon got the FM bug and we had a base at the TV XMTR, a base at Tom's house in Clearfield and he had a T41GGV in his car. For several years we had some great reliable communications going. I moved to NY State in 1970 and to Oil City, Pa. in 1974 still using the reliable Motorola T51GGV's. I kept them in operation until about 1978 and made the switch to 2 meter solid state equipment.

I needed a portable unit to work on 52.525 and not being able to acquire any HT-200's on low band I set up an AN/PRC-6 and made extensive use of it with 5-10 mile range quite common. This was about 1967. The PRC-6 is a military handie-talkie, all tubes with about .5 microvolt RX sensitivity, and 1 watt XMT. It took a filament battery of only 1.5 VDC but at .5 Amp on RX and 1 amp on XMT. It also used 45 and 90 V batteries.

### \*QCARC\*

#### DECEMBER CROSSWORD SOLUTION

V	E	C		C	Q		A	R	R	L
F	S			O	R	S		A	M	I
O	T	C		M	M		I	D		N
		Q	R	M			S	L	I	D
F	M			U	T	C		O	L	A
A	N	T	E	N	N	A				R
I				I			N	A	M	E
N	O	V	I	C	E		H	A	M	
T	R	I	B	A	N	D		R		Q
E	L	E	C	T	R	O	N	I	C	S
R	A	W		E	S		B	O	W	L

## Early Ham Radio in the Quad-County Area

by Art Kunst, W3WM

In my two earlier articles in the club newsletter, I traced the growth of amateur radio from the conclusion of World War I through the year 1930. I consulted authentic sources like QSTs, and the official list of amateur radio stations published by the Radio Division of the US Department of Commerce. In the early 1930s, the Radio Amateur Call Book became the principal source of issued amateur radio calls when the official list ceased to be published by the Department of Commerce. The Radio Amateur Call Book was first published in 1919 in much the same form you know it today. The only feature that has changed in the Callbook is continued growth in size as amateur radio grew and more call signs were issued.

In 1920, the number of ham radio licenses in the United States did not exceed 6000. By 1931 this number had doubled, and by 1939 the US ham population was about 40,000.

Because early radio and electrical power was centered around city areas for various reasons, it tended to stunt the growth of ham radio in rural and less populated areas. As an example, Pittsburgh was a very busy center of amateur radio from the earliest days while our Quad-County area showed very little activity.

The first amateur radio license in the area of DuBois was issued to W8ANF, Elmer Wagner, of Butler, Pa. in 1921. As I listed in my previous article in the club newsletter, the area ham population had grown to 15 licensed hams by 1928, and 17 by the Fall of 1930. For reasons which we can only speculate, only five call signs were the same in 1928 and 1930. Of these five, only Old, Old Timer W8NM (now N3AWQ) survives, and practices ham radio today from Kane, Pa.

By the Winter of 1939-1940 amateur radio had grown greatly even in the rural areas. The Callbook of that time listed 108 radio amateurs in a 60 mile circle around DuBois. As an example, there were 17 hams in Bradford; 6 in Brookville; 3 in Clearfield; 7 in Indiana; 5 in Kane; 2 in Punxsutawney; 7 in Ridgway; 15 in St. Marys; and 4 in State College. I purposely have not listed the W8 call signs because they have no recognition value today.

The radio amateurs at this time in the immediate DuBois area were:



Brockport	W8WQ	Louis Bundy
Brockway	W8HZW	Dana Cole
Falls Creek	W8TJI	Howard Smith
Reynoldsville	W8MTD	J. Smith
	W8NUJ	Guy Yount
DuBois	W8GVZ	Alex Mauk
	W8HMG	Roy Turconi
	W8IPL	Jim Mauk
	W8KPU	Homer Hepler
	W3RPP	Seymour Hummel

It is believed that none of the above survives today.

If anyone desires more information or wishes to supply information, please write to me directly.

In a following issue, I plan to review the status of ham radio in the Quad-County area immediately after World War II.

**\*QCARC\***

Public Service, Clearfield County  
by Bryan Simanic, WA3UFN  
Clearfield County Emergency Coordinator

With the Crime Watch program in effect in the Du Bois area, I want everyone throughout the county to feel

free to ask for any assistance that may be needed to get such a program started in some of the other areas in the county. Such a program is very worthwhile in a number of ways. First off it does provide extra surveillance for the police in protecting the very neighborhoods we live in. Next with such a program we are recognized by the police as being organized to report to them and that those reports will be handled more readily. A roster of stations will usually be posted at the dispatch desk at the police stations so that verification of the reporting station will be easy. This type of service is just what most of us in amateur radio like to see, exposure of our hobby to the public, that benefits amateur radio as well as the public.

Don't forget to get all of your Crime Watch reports in to me by the first Sunday of the month, the net is a good time and place to pass the reports. I have to have the reports to me in time to file my report to the police stations that request them.

**\*QCARC\***



*The Parasitic Emission*  
Newsletter of the  
Quad County Amateur Radio Club  
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FIRST CLASS MAIL

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F 1985  
WA3UFN

Member:



An Affiliated Club of the  
American Radio Relay League



Serving Radio Amateurs in Clearfield, Cameron, Elk and Jefferson Counties since 1975