

P r o g r a m N i g h t

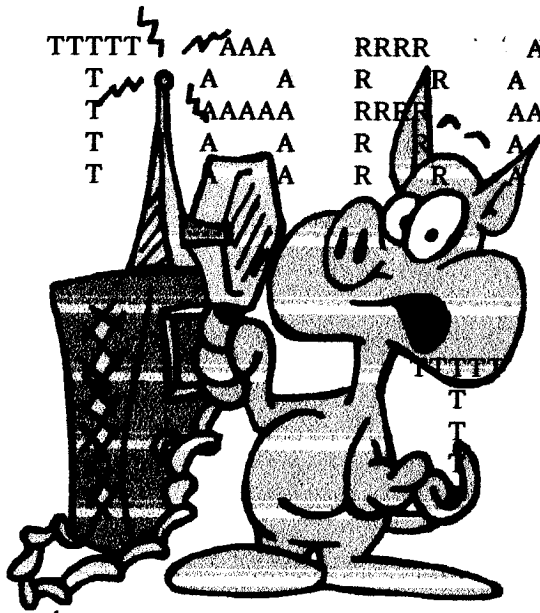
Wednesday, July 26, 2000

The last we heard,

a presentation on

Antenna Modeling Software

2-----0



TTTTT AAA RRRR AAA
 T A A R R A A
 T A A A A R R R A A A A
 T A A R R A A
 T A R R A

President N9GKE Bruce Stewart
 Vice-Pres WB9NIF Steve Van Frank
 Secretary W9YE Bob Martin
 Treasurer N9ZFG Major Sherwin
 Director WB9SWD Curtis Sherwin
 Hamfest WB9BRX David Dull
www.w9reg.org

AAA TTTTT TTTTT L EEEEE RRRR
 A A T T L E R R
 A A A A A T T L E E R R R R
 A A T T L E R R
 A A T T L L L L E E E E R R

COMING EVENTS

- 26JUL00 WED 1930 Program Meeting, tentatively a presentation on antenna modeling software
- 29JUL00 SAT 0900 ARRL/VEC, Walk-ins allowed, sponsored by Clinton County ARC, Frankfort Public Library, Courthouse Square, 208 West Clinton Street, Frankfort, contact: Samuel F Paul, 765-659-1720 A/ARRL.ORG
- 6AUG00 SUN Land of Lakes Hamfest, Angola, camping, swimming, amusement park, outlet shopping malls nearby, free parking, Talk-in 147.18, 444.350, packet 145.51, free parking, \$4.00
- 8AUG00 TUE 1930 Business Meeting
- 13AUG00 SUN 0800-1300 Kokomo & Grant County ARCs Hamfest, Greentown, Lions Club Fairgrounds, 15 mile east of Kokomo, three blocks North of US35/SR22, follow signs, vendors, tailgating, VE sessions (sign up by 0830), Talk-in 146.91, \$5.00
- 13AUG00 SUN 0600-1500 Hamfesters RC Hamfest, Will County Fairgrounds, Peotone, IL, flea market, exhibitors, Talk-in 146.64 & 146.52, \$5.00
- 20AUG00 SUN **LAFAYETTE HAMFEST**
ALWAYS 3RD SUNDAY IN AUGUST
- 23AUG00 WED 1930 Program Meeting (re-scheduled from April) by J. B. Van Sickle, K9KRE, a review of standing motions and other issues, so of which appear to be adhered to (& are not), others that need modified, and some that need rescinded, should be particularly of interest to new members over the last twenty or so years.....
- 27AUG00 SUN 0700-1500 Vermilion County ARA Hamfest, Danville, IL, Disabled American Veterans Hall, 3027 Georgetown Road, flea market, vendors, electronics, computers, tailgating, free parking, refreshments, Talk-in 146.82, \$5
- 27AUG00 SUN LaPorte, IN
- 9SEP00 SAT Owen County ARA Hamfest, Owen County Fairgrounds, Spencer, VE sessions, Talk-in 146.985
- 12SEP00 TUE 1930 Business Meeting
- 16SEP00 SAT Peoria Area ARC, Peoria, IL A/ARRL
- 17SEP00 SUN Peoria Area ARC, Peoria, IL A/ARRL
- 23SEP00 SAT Chicago FM Club Hamfest, Grayslake, IL A/ARRL
- 24SEP00 SUN Chicago FM Club Hamfest, Grayslake, IL A/ARRL
- 27SEP00 WED 1930 Program Meeting, N9YTE, Ed Delp, on ALS and GPS
- 10OCT00 TUE 1930 Business Meeting
- 14OCT00 SAT Feast of the Hunters' Moon {{CONTACT KF9UP to assist
- 15OCT00 SUN Feast of the Hunters' Moon {{in this worthwhile
{{project

TARA Business Meeting Minutes, 7-11-2000

The meeting was called to order at 7:30 pm.

OLD BUSINESS:

The Treasurer reports income of \$106.44 for the month. The balance is \$11,621.35. (Detailed report included with this report to be printed in the "Tattler".)

New door keys are not yet available. they are expected soon--to be arranged by Steve Van Frank.

ARRL has notified us that we are now an officially sanctioned club for hamfest reasons. Jeff Stewart is still to order FD pins. Those who want them are asked to order them from him so he can get the order sent in. We received an "OO" report that we were out of band on 7150 SSB in the FD contest. New procedures will be put in place for next year. We still do not have a new battery holder for the MFJ ant. meter.

Jack Freeman will be authorized to get a new "tongue jack" for the club trailer.

It was moved and seconded that a "kitty" of \$200 be authorized for Major Sherwin to be used in setting up the refreshment stand for the Hamfest. Curtis Sherwin will bring 4-5 club tables for general use and Jack Freeman will take them back to the Purdue Warehouse storage. Jeff Stewart will bring 8 tables from his church to serve for the commercial vendors for their wares displays.

Our general liability insurance premium of \$300 is due (it was \$200 last year) It was voted to pay the bill and we will look for lower rates to be investigated later, as this bill needs to be paid to be in force for the Hamfest.

NEW BUSINESS:

Dave Dull reported on the ham fest, possible commercial vendors and prizes. He has some ARRL publications for prizes. Dave requests help for gate monitors and setting up on Sat. afternoon. There will be a refreshment stand for drinks and light food items.

Jeff Stewart announced that he needs volunteers for the "Feast of the Hunter's Moon" traffic control, that is done yearly by the club. The dates are Oct. 14, 15, & 16.

Our next club project needs to be the antennas to be installed on the crossarm on the tower. Volunteers are requested to contact Jeff Stewart or Curtis Sherwin to set a Saturday to get it done.

The prize drawing was won by Ed Delp. As he was not present to accept it it reverts back to the club treasury.

Meeting adjourned at 8:28 pm.

Respectfully submitted by Bob Martin, Secretary.

Attendance at above meeting:

- Major Sherwin, N9ZFG; Jack Freeman, KF9CT; Martin Lynch, KA1LXG; Jack Kueberth, KB9KUQ; Bob Martin, W9YE; Curtis Sherwin, WB9SWD; Bruce Stewart, Pres. N9GKE; Tim Gardner, N9LF; Dale Dull, WB9BRX; Jeff Stewart, KF9UP; Greg Dean, N9NWO; Chuck Welborn, KB9WKV

++++
++++

Soap Box Derby

Thanks to those who helped with the Greater Lafayette Soap Box Derby this year. Your help was greatly appreciated.

- KA1LXG Marty Lynch
- WB9BRX Dave Dull
- N9LF Tim Gardner
- W9TN Steve Van Frank
- KF9UP Jeff Stewart

++++
++++

For Sale, Antique Radios

Hallicrafters SX-25 Ham Radio
Hallicrafters SX-62 Shortwave Rcvr

Both in good condition, have been boxed for years, SX-25 has manual. Anyone interested in buying or knows what they are worth, please contact Dr. Nick Costidakis, 583-6798, or drnick61@hotmail.com

TIPPECANOE AMATEUR RADIO ASSOCIATION

Treasurer's Report
June 1, 2000 through June 30, 2000

Income Received:

	<u>Date</u>	<u>Amount</u>
Field Day Auction	6/13/00	\$45.00
Jack Kueberth KB9KUQ Battery Donation	6/13/00	\$20.00
Greg Dean N9NWO Dues 2004	6/13/00	\$6.00
Steve Bruhn KB9UPL Dues 2000	6/13/00	\$6.00
Chuck Welborne KB9WKV Dues 2000	6/13/00	\$6.00
Jack Ott - K9AHX - Dues 2002	6/24/00	\$6.00
Jim Collison - K9LYA - Dues 2000	6/24/00	\$6.00
Jim Collison - K9LYA - FD Contribution	6/24/00	\$4.00
Interest on Savings	6/30/00	\$7.44
Total Income:		\$106.44

Disbursements:

Greg Dean N9NWO Business meeting door prize	6/13/00	\$6.00
Tim Gardener - N9LF- FD Advance (supplies)	6/13/00	\$20.00
Major Sherwin N9ZFG Flowers for JB's father	6/13/00	\$34.25
Dave Dull WB9BRX Hamfest flyers printed	6/13/00	\$24.15
Kathy Stewart - Field Day food expenses	6/24/00	\$317.45
Tim Gardner - N9LF- Field Day supplies	6/28/00	\$77.91
Total Disbursements:		\$479.76

Summary:

Beginning Checking Account Balance	6/1/00	\$430.97
Beginning Savings Account Balance	6/1/00	\$4,616.05
Beginning Value of CD (Issued 11/08/95, APR 4.20%)	6/1/00	\$6,947.65
Beginning Cash on Hand	6/1/00	\$0.00
Beginning Assets:		\$11,994.67
Ending Checking Account Balance	6/30/00	\$550.21
Ending Savings Account Balance	6/30/00	\$4,123.49
Current Value of CD (Matures 2/8/01)	6/30/00	\$6,947.65
Ending Cash on Hand	6/30/00	\$0.00
Ending Assets:		\$11,621.35



Major W. Sherwin N9ZFG
Treasurer

Field Day 2000 Report

by KF9UP (with input from W9TN, N9LF, WB9SGP, KB9SSS)

On Friday, June 23rd, 2000, visitors to the Indiana Veteran's Home might have wondered if UFO's were coming as TARA members walked around the grounds with their eyes to the sky. Well really to the trees, as it was once again time for Field Day, the first of the new millenium (or the last of the old, depending on your point of view).

As some searched the trees for the best limbs to support antenna ropes, others laid out the station operating areas. This year it was decided to try using screened canopies to house the operating positions. With those locations roughly determined, the TEMA and TARA trailers were positioned to serve as sound barriers between the stations. The trailers would be also be used as operating positions should rain storms move through the area.

The wire for the loop antenna (over 800 feet) was strung around the field to the west of the site, and hoisted into position. Then one of the Lazy-H antennas was put in place and several additional antenna support lines were installed in the trees. The rest would have to wait for morning.

Saturday morning arrived and the weather was beautiful for the continuation of setup. Remaining antennas were raised, the screened canopies were assembled and put into position and the TARA trailer was thoroughly cleaned. Two 5kw generators (thanks to KF9CT and WB9CZC) were set up and electrical cords were run to each of the operating positions. Soon, radios and tuners were being set up and rough tuner settings were being determined for each operating band.

In the meantime, the satellite antennas were being assembled and mounted to their "tower." It looked like a step-ladder to me, but to each his own. Rotors, rotor cables, radio, coax, amplifiers, and computer were intricately fashioned into a working satellite station. Well, it looked like it should work, but it would be a couple hours before it could really be tested.

The HF stations were handled a little differently this year. The station using the Loop antenna was generally used for the low HF bands (160 meters, 80 meters, and a couple other bands the Lazy-H might have trouble with). The other bands were delegated to the "H" station. Both stations had CW and voice bands allowing two CW or two phone bands to be operated simultaneously.

A Kenwood TS690 was provided by WA9HKK for use in the HF Loop station and KB9SSS provided his Icom IC746 and MFJ 969 tuner for the HF "H" station.

The Club's Yaesu FT847 was used for the VHF station. The antennas came from N9LF — a 6m halo antenna and a 2M 5/8 wave vertical which were mounted on a 40 foot mast (a joint venture of N9LF and N9GKE).

The novice station consisted of another Yaesu FT847 belonging to N9ZFG and a couple dipole antennas. The novice station was run under WB9SWD's call.

The equipment for the satellite station was provided by WB9SGP — an Icom IC821H, antennas, rotors, computer and Nova software.

A PSK31 station was provided by N9PGH consisting of a Kenwood TS450 and a laptop running Digipan. An interesting digital mode, each contact earns the same points as a CW contact. I think this "demo", stirred up interest among several of the Club members.

A lot of planning went into providing power for the operating positions this year. Battery backup of one kind or another was provided at every station. W9TN built "black boxes" to provide battery backup for the HF stations. When one of the generators did run out of gas, a few of the lights went out, but all the radios continued to operate.

Field Day operations started at 18:00 UTC. I think everyone was ready when the time rolled around, though with all the new radios, some time was needed for operators to become familiar with the equipment.

VHF operations occurred almost entirely on 6 meters. An effort was made to check 2 meters a few times, but nothing was heard. Fortunately, 6m stayed open most of the time, and well past the normal band shutdown time on Saturday night.

Satellite operations got off to a rocky start trying to communicate through SSB satellites. The FM birds worked better and 12 contacts were made through three different satellites. Much confusion occurred with the KC Tracker board making it necessary to point the antennas with the manual controller. Most of the contacts were made with three operators sharing the jobs of pointing the antennas, operating the microphone, tuning the radio and copying call-signs of potential contacts.

An APRS packet station was set up in the VHF tent. Demonstrating that mode to members and guests earned 100 bonus points for the Club (thanks guys).

Saturday evening, dinner was cooked and served by N9GKE and his wife Kathy. Not an easy task as the rain came in to dampen things a bit. Steak, potatoes (scalloped?), corn, and cake for dessert. Kathy also baked some excellent chocolate chip cookies that were enjoyed by many earlier in the day.

The rain poured down, up to 4 inches in the area, making the ground soggy. Plastic came out to line tents and cover equipment. Operators at the HF Loop station decided that moving into the trailer sounded like a good idea. The "H" station soon followed suit and HF operations ceased for about an hour while equipment, feedlines, and power were moved to their new locations. The novice, VHF, and satellite stations remained in their screened tents, and remarkably, managed to keep fairly dry.

By the time Sunday morning came, the rain had moved on and things were starting to dry out a little. Kathy returned with biscuits, sausage gravy, steak and eggs which she prepared for breakfast to rejuvenate the troops.

Operations continued through 1800 UTC, when the dismantling of stations, sorting of equipment, lowering of antennas, and packing began. Equipment was loaded into vehicles and returned from whence it came. Club members then dispersed to relax, reminisce, and dry out.

2000 ARRL Field Day Report

Submitted by: KF9UP

On June 23th, 24th and 25th, members of W9REG gathered at the Indiana State Veteran's Home for the 2000 Field Day event.

Number of people participating 25
Visitors 28

W9REG operated "2A IN":
"2" HF transmitters on the air.
"A" club/group portable
"IN" is the ARRL Section from which we transmitted

Band	CW	DIG	Phone
160	3	0	3
80	17	0	55
40	219	0	125
20	64	76	127
15	93	3	35
10	34	1	23
6	0	0	87
2	0	0	0
SAT	0	0	12
PACK	0	0	0
Novice	1	0	197

Bonus Points	
100% Emergency Power	200
Media Publicity	100
Located in Public Place	100
Information Booth	100
Message Origination	100
Message Relay	0
Satellite QSO(Min 1)	100
Natural Power(Min 5)	100
W1AW Message	100
APRS Demo	100

Field Day scores (Past and Present):	
1988	525 contacts, 1074 points
1989	477 contacts, 1782 points
1990	570 contacts, 1646 points
1991	1087 contacts, 3688 points
1992	731 contacts, 2596 points
1993	830 contacts, 3218 points
1994	819 contacts, 3522 points
1995	1208 contacts, 4592 points
1996	1092 contacts, 3988 points
1997	784 contacts, 3178 points
1998	1232 contacts, 4436 points
1999	1255 contacts, 4664 points
2000	1175 contacts, 4372 points

TQSO	431	80	664		
Pts	x2	x2	x1		
Total	862	+ 160	+ 664	=	1686
Transmit power <150W				x 2	
Total					3372
Bonus points					1000
Grand Total Points					<u>4372</u>

Total Bonus Points 1000

Operators, Loggers, Helpers and Visitors

WB9BRX	Dave Dull
KF9CT	Jack Freeman
WB9CZC	Dave Azpell
N7DUK	Hubert Wood
K9FOH	Bob Lusby
N9GKE	Bruce Stewart
WA9HKK	Fran Hudlow
K9ICQ	Marty Mlynarik
KB9JDA	Mike Diener
K9JWI	Clyde Mauck
KB9KUQ	Jack Kueberth
N9LF	Tim Gardner
KC9LI	Bob Niewerth
KA1LXG	Marty Lynch
K9LYA	Jim Collison
N9MIH	Glenn Ward
WN9NBT	Dave Chasey

N9NWO	Greg Dean
KB9OQC	John Martin
N9PGH	Dave Spoelstra
WB9SGP	Steve Belter
KB9SSS	Dana Hoggatt
KB9SST	Phil Springer
WB9SWD	Curtis Sherwin
WA9TGO	Jim Canarecci
W9TN	Steve Van Frank
KF9UP	Jeff Stewart
N9VFK	John Laugheed
N9VLW	Charles Williams
KB9VZD	Mike Kantz
KB9WKV	Chuck Welborne
W9WQS	Rex Thomas
N9XPZ	Sam Brummett
N9ZFG	Major Sherwin

N9ZND	Jim Darling
	Roger Detzner
	Joyce Detzner
	Ashley Detzner
	Bill Sabel (IVH)
	Ben Hoggatt
	Daniel Hoggatt
	Fred Hershberger
	Walt Hershberger
	Mike Chasey
	Kathy Stewart
	Sam Weingart
	Amelia ?
	Glenn Ward's family
	Amy Patterson (J&C)
	Marshall Wade (J&C)
	Brad Reynolds (TV-18)