

Air Scoop monthly

Newsletter of The Delta County Amateur Radio Society

March 2005

Welcome to our Meeting - D.C.A.R.S. Inc.,
February 21ST 2005 - Bay De Noc Community
College.

Our meeting opened promptly at 7:00 PM., With
President, Dave Palmgren - N8DP introducing
Our new Vice President, Mark Blau - ND8X,
Treasurer, Marshall Seawright - N8VBA, Secretary
Newsletter Editor, Les Elder - KG8SQ. These
persons will represent our Club for 2005.

Dave introduced guests Rob and Calab Cox, two
young lads that are interested radio
communications and technology.

Self-Introductions

Tony Marietta, KC8NUR
Mark Seymour, N8XAH
Don Brackenbury, K8GMW
Hank Olsen, N8ZMN
Richard Thompson, N8OYR
Joe Thompson, KC8ZYI
Marshall Seawright, N8VBA
Mark Blau, ND8X
Lowell Seeley, KA8RPB
Les Elder, KG8SQ
Dave Palmgren, N8DP

Secretaries Report

It was moved, and approved to wave the
Secretaries report. It will be included in all monthly
newsletters.

Treasurers Report

Marshall N8VBA gave the financial condition of the
club.
Last Months – Ending Balance for February 20th
2005.....total.....\$1277.91
Payments (Debits) during pay period
.....total.....\$ - 0 -
Credit, Income from memberships, 50/50 drawing,
other..... total.....\$ 160.59

This Months Balance, (Fiscal month ends one day
before our Meeting).....total..... \$1438.50
(Submitted by Marshall Seawright N8VBA – Treasurer)

It was moved by John WD8RTH, and seconded by
Tony KC8NUR, to have the treasurer reimburse
Dave for Postage, Rich for the (DVD & manuals)
ordered for class, Marshall N8VBA, tickets for
50/50 drawing. Checks will be issued and
deducted during February – March payment period.

OLD BUSINESS

Club Repeater – 147.150

Interference has been getting into the club
repeater, and Mark – N8XAH will look into this
problem that seems to happen only once in a while.
The problems should be solved this summer when
the tower will be raised in height and more sections
are added. Hard line and antennas will be checked
and everything tuned at that time.

CLUB LIBRARY

Tony KC8NUR explained to new attendees of the
nice library that the club has and can check out any
of the manuals or books as they wish, and return
them when they are done with them.
Tony is our Club – Librarian. Any information you
might need also for antenna building or projects,
books are available from our club library.

U.P. 200 DOG SLED RACES – Weekend of
February 21ST 2005

The Dog Sled Races at Marquette and Gwinn were
a great success and we should be able to have an
article from Greg - K18AF at Marquette for next
month's newsletter for your enjoyment. Most local
members had other commitments and were unable
to go to Marquette, Grand Marais, Gwinn or
Munising for this event.

DCARS – GOALS - 2005

Dave N8DP went over some of the goals that our club would institute during this year. Some of the goals were published in last month's newsletter.

It was moved and seconded to start classes at Bay College for entry level (We're beginning with Tech) and all levels of Ham Radio one week from next Wednesday. Start of classes will start March 2nd 2005 and will be held 2 days a week on Wednesdays and Thursdays 6:30 PM – 9 PM.

Total class hours will be approximately 4 weeks, 2 nights a week, with testing during the Month of April 2005.

1. Dave appointed Jerry Shapy NK8N to organize and hold ARRL affiliated classes for prospective new Hams, along with persons requesting upgrade. Rich Thompson N8OYR and Tony Marrietta KC8NUR will work with Jerry to formulate and put on all class instruction work. All advertising will be handled by this group to get classes started by advertising in the newspaper and on radio, TV. It is encouraged for everyone to help out and be present during class time. Rich ordered the new teaching DVD's (2) with manuals for teaching classes. (They should be here this week) CW will also be started for entry-level technicians. Electronic Keyers will be provided by local hams to the class when needed. The requirement for all (3) classes will be 5 wpm. Tapes and computer generated code is available.
2. Field Day Chairman was tabled until Next Meeting.
3. Discussion to whereabouts of our club Kenwood TS 120 transceiver and also club equipment. It was brought up that the last place the unit was used was at Tom Elegeerts Camp several years ago. The club will do what can be done to locate this unit. Dave asked everyone to make a list of equipment that they have in possession and to forward to our club treasurer for record keeping.
4. All serial numbers of equipment at the Police Department will be forwarded to Marshall for inventory purposes also. Les kg8sq asked about the club's new transceiver at the police dept and wondered if it had all its proper filters for use at field Day 2005. Mark N8XAH will check and see if all filters are in the unit. We would like to have a complete inventory of club equipment for the next meeting – March 21st 2005.
5. Newsletter discussion was brought up by Dave that the reduction in cost to the members will remain in force, however, it was moved and seconded to keep the dues at \$15.00 for members receiving E-Mailed Newsletters and anyone asking for a newsletter via U.S. postage be charged the additional \$5.00 for a total of \$20.00 per year. The cost of postage will not be totally covered but will help out. Any member wishing U.S. Postage newsletters are asked to notify our editor. Kg8sq@uplogon.com. Or Call 789-1543
6. Add correction to Annual Dues, approved and passed by membership. "See Reminder to all members and Associate members" joining DCARS.
7. "Club Logos" and "K8ZAS" Club QSL Cards. Dave n8dp asked everyone their thoughts if the club would be interested in having new Qsl cards made up and emblems started for the club. Everyone was asked to bring their ideas to the next club meeting and also anything they can work up on the computer. We can have a class project or have a contest to the best club decal, emblem, or Qsl card. Everyone was asked to contribute to this project. Bring anything you have started to the March meeting. This can be a "Show and Tell" – "what do you think" idea.
8. Tony KC8NUR Would like to start "Project Night at the Electronics Lab" at Bay College. Marshall – N8VBA, Electronics instructor, will check the availability if we can have project nights on "Monday Nights" alternating Monday nights starting at 7PM.

Project Nights – Continued

We should be able to start this very soon. If you have anything you are working on or need some minor repairs, or tuna can projects, bring them with you. This will be a good time to start a small project. All are welcome to attend. Further updates on project nights will be in our newsletter.

9. Mark Blau – Our vice president will head our ARRL VEC volunteer examiner Program. Interested persons contact Mark or Dave for details. You should make contact for information regarding filling out the appropriate paper work as this takes awhile to process. An open book exam is required becoming a VE volunteer examiner or helper. To maintain accreditation with the ARRL, you must attend Minimum (1) session per year.

REMINDER TO ALL MEMBERS AND ASSOCIATE MEMBERS JOINING DCARS.

Yearly dues for members have been reduced to \$15.00 per year. (U.S. Mail news – add \$5.00)
Associate members living outside Delta County – Annual dues reduced to \$10.00 per year, exception if you receive via U.S. mail, be sure and add \$5.00 more for postage costs.

Dues are January 1st – December 31st annually. Pro-rates during the year are not accepted unless you also pay in advance for the next year's dues. You may also contribute to different on-going projects, the 147.150 repeater maintenance fund, or tower fund. (We are looking to increase the height of the 147.150 vhf system.)

Addendum to Annual Dues schedule. See Item number #5 for change for U.S. Mail newsletter mail-outs.

(Submitted by
Marshall Seawright)

MEETING ADJOURNED

With no more questions at this time, the club meeting was adjourned at 7:55 PM and the 50/50 drawing was held. The winner was Mark Blau with ½ (\$13.00) going back into the club treasury. Congratulations Mark.

Secretary – KG8SQ, Les Elder

Note – Any email or address changes notify editor immediately so you are kept current with our news

Air scoop Monthly

Air-scoop Monthly is the official newsletter of The Delta County Amateur Radio Society serving it's members and the Delta County community. Original articles, art and photos are welcome. Copyrighted material cannot be printed without the permission from the appropriate legal authority. Please include such disclaimers in all materials submitted.

Submit articles to:

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kg8sq@uplogon.com

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Website is:

www.geocities.com/k8zas
webmaster – w8jrt@arrl.net

PROGRAM – BY DAVE PALMGREN N8DP

OSCARS – AMATEUR RADIO IN SPACE

Dave presented a wonderful program from his computer on “Oscars” from the hams perspective. Where located, when available, and how to make contacts with each satellite as it passes over our area.

He explained, you do not have to have anything fancy to make contacts. Preferred uplink on 2 meters and downlink on 440 cm. Mode of operation is by SSB or FM, or CW., with low power of just 5 watts or a little more. Some of the most recent Oscars have packet forwarding and receiving. Almost all are paid for by Hams and donations out of your pocket and built by worldwide scientists. A wonderful program was introduced called – (freeware) “SatScape V2.02 downloadable from www.satscape.co.uk The program is in living 3-D color and a real highlight in viewing satellites in operation 24/7. Everything is set up by the clock on the computer and GPS Coordinates from your home QTH or location when you install. A real valued program in communicating with outer-space satellites. For more information, please contact the listed web-site or talk to Dave for more information.

After a question and answer session, everyone departed around 915 PM Thanks Dave for a great presentation.

PRESIDENT MESSAGE

MESSAGE FROM OUR PRESIDENT N8DP

I recently had an opportunity to demonstrate Ham radio to a group of teenaged boys in advance of our Technician classes that our club is putting on. A simple question that I needed to answer turned out to be far more difficult that I imagined. **“What is Ham Radio?”**

When you begin to explain the differences in the bands that we have available, all of the different modes of communicating Am, Fm SSB, CW, FAX, SSTV, ATV and the Digital modes such as RTTY, Packet, Amtor, Psk31 and the rest.

Then there are the different ways of getting the modes to where you want to chat. Oscar, Moon-bounce, Repeaters, Etc.

You need to consider what is be communicated, Rag-chewing, Traffic Handling, Contesting, Nets, Dx-ing, County Hunting, Weather Watch and other Emergency Traffic. Then there’s the Ham affiliated things to consider such as Home-brewing your equipment, Antenna experimenting, Fox hunting Phone and Auto-patching and I know that even with this list I’ve missed many aspects of Ham radio. Some day try to explain Ham radio thoroughly but trying to keep it simple. Good luck, 73s

(Submitted by N8DP – Dave Palmgren)

Our Organization, once called – “Bay-De-Noc Radio Club” was formed for the purpose of having an Upper Peninsula Wide, Ham-fest in 1964. This first Ham-fest for Escanaba became a reality in 1965.

On September 1st 1970, Local “Ham” members met at The Northern Michigan National Bank and decided to affiliate with the ARRL, received its Charter on February 15, 1971.

At this time, the name, DCARS or “Delta County Amateur Radio Society” was chosen.

**PLEASE ADDRESS ALL MAIL CORRESPONDANCE TO:
DCARS
RICHARD THOMPSON
9560 CHAISON N. ROAD,
GLADSTONE, MI 49837.**

INDIVIDUAL EMAIL CAN BE SENT TO OUR CLUB OFFICERS OR MEMBERS.

**PLEASE NOTIFY ONE OF OUR CLUB OFFICERS OR THE NEWSLETTER EDITOR OF ANY MAIL OR EMAIL ADDRESS CHANGES.
THANK YOU.**



**DCARS is an
ARRL Affiliated Club**

SPECIAL MARCH PROGRAM AT ESCANABA

THIS MONTHS MARCH 21ST - PROGRAM – APRS – (AUTOMATIC POSITION REPORTING (RADIO) SYSTEM

Mr. William "Bill" Becks, WA8WG will provide this months program and demo. Please make it a point to attend this program on March 21st 2005 at Bay College. Computer generated graphics will be provided. APRS has nodes and digi's in the Upper Peninsula as well as around the world.

VE TESTING SCHEDULE

05/05 Iron Mountain: 9:30am central time, (arrive by 9:00am) Dickinson County Library (conference room) Mark J. Lewis N8UKD, 412 Fairmount St. Kingsford, MI 49802 Telephone 906 774-6598 Future exam dates are: Aug 06 and Nov 05

LICENSE'S DUE TO EXPIRE - DELTA COUNTY

Wb8waj	General	Dwight A Cochran
	expires 3 -1- 05	in grace period
W8kbh	General	Orville M. Jensen
	expires 3-22-04	no longer valid at all
Ka8jls	General	Robert E. Ferrell
	expires 3-07-05	in grace period

(Submitted by George W8FWG – CCRAA – Houghton, MI (VEC)

NEWS –MICHIGAN – QSO PARTY

APRIL 16TH – 17TH 2005

Attention Michigan Amateurs. It's that time of year again! Time to start talking about the 2005 Michigan QSO Party.

This is a great opportunity to get on the HF bands, have some fun, and represent the great State of Michigan. The organizers of this event would like to see as many Michigan stations on the air as possible. It is the activity of the Michigan stations that make this event a success.

As you can see from the rules listed below, this is only a 12-hour event. Please consider getting on the air for the whole thing, or any portion of the 12-hour period. You can operate from home, portable, or mobile. We again, with the support of mobile stations plan on having activity in all 83 counties.

How about making this a club event? You can submit your individual or multi-op scores under the name of the your club and maybe bring home the club plaque. Hey, why not challenge another local area club or other groups within your club? Are there others in your club that would consider a mini expedition for a portable operation in one of the Michigan counties with minimal activity?? Those of you that have been in the QSO Party, please help us get the word out and encourage other Michigan hams to participate and join the fun. The name of the game is to have fun and make Michigan "Radio Active" on April 16th. Hope to hear you on the air!

Date /Time: Michigan QSO Party, sponsored by the Mad River Radio Club, from 1600Z April 16th until 0400Z April 17th. Stations may operate the full 12 hours. (12 noon to 12 midnight local Michigan time on April 16)

Modes and Categories: Phone and CW on 80/40/20/15/10 meters. Single-op, multi-op, and mobile categories. Single-op entries are categorized by output power, QRP (5W or less), Low Power (100W or less), and High Power (greater than 100W)

Multipliers: Work stations once per band and mode. Work other states and Michigan Stations. MI-to-MI QSO's are allowed. Work portables and mobiles again as they change county, state or province.

Exchange: Exchange QSO number and location (county for MI stations, state/province or "DX" for others).

Scoring: One point per phone QSO, two points per CW QSO. Count multipliers once per mode. Multipliers are MI counties for all entries, plus states & provinces for MI entries only. Final score is total QSO point's time's total multipliers.

Freq.: Suggested frequencies: CW-3545, 7045, 14045, 21045, 28045; Phone-3850, 7225, 14250, 21300, and 28450.

Log Submittal: Mail logs no later than 30 days after the contest to: Mad River Radio Club, c/o Dave Pruett, 2727 Harris Road, Ypsilanti, MI 48198 or via e-mail to logs@miqp.org

More Information: For complete rules, along with free logging software, log and summary sheets, see <http://www.miqp.org>

MICHIGANS QSO PARTY – CONTINUED

73 es cu April 16th 2005... Mark NU8Z

(Submitted by John Anderson – WD8RTH)

PUZZLE OF THE MONTH – Answer last month.

5 volt drop across 5k ohms (R4) = .001 amps.

(Total circuit current)

10 volts across R3 / 20K gives a .0005 amps current flow through R3.

Total circuit current flow of .001 amps - .0005 amps

flow through R3 = .0005 amps flow through R2. 10

volts across R2 / .0005 amps = 20K ohms

resistance.

Since R3 is 20K, R2 also must be Also be 20K ohms to get a total of 10 k Ohms.

Total circuit resistance equals

$R1 + (R2 \& R3) + R4 = 16K \text{ Ohms}$

$1K + 10K + 5K = 16K \text{ Ohms}$

$16K \text{ Ohms} \times .001 \text{ Amps} = 16 \text{ Volts.}$

So R2 = 20K Ohms and the Battery is 16 Volts.

March – Puzzle of the Month – test your skills

Luban, Luxped, Part, Nadb, Fretil

Abelley, Thzer, Oxac, Reyek, Pidel

Rearrange the words into “Ham Terms”

(Submitted by Dave Palmgren)

KG8SQ – Riverland – Delta County



KG8SQ – PROFILE OF THE MONTH

Growing up with the desire to communicate via “Ham Radio” began at an early age of 12 years old.

Living in Marquette in my childhood, I grew up in the North part of town with little activity. My father actually introduced me after asking him if he new anyone with any radio equipment around town. Since he was in the Insurance and realstate business in Marquette and belonging to several organizations, he was aware of many people with many hobbies. He made an inquiry from his friends and located Roy Anderson, who lived near where my uncle lived and on a weekend drove me around town. We came upon his home showing a very large tri-band beam. At that point I became obsessed with radio. (how does this work?) what does this antenna do, Just whom can he talk to etc.

“This” all started on a weekend during the fall (1953) My father made arrangements with Roy and then took me over to a fine gentleman on Kaye Avenue, Roy Anderson, now known as w8wnt. (Back then I think his call was w9wnt.)

He stopped what he was doing and was more then happy to show his wares. Wow, what a station of radios, (home-made) equipment as well as his line of Collins. His collection of transmitters and receivers really got me excited about “Ham Radio”. (I was really hooked!) I talked to my dad and went home, just dreaming of when I could do this.

I then starting reading many ham radio code books and started reading Allied Radio and CQ. Many trips were made to Bill Jackson Sr.’s place of business on West Washington Street also known as North West Radio, and spent many hours watching Bill Jackson Sr pounding his fist on a “Bug” keyer (vibroplex)...This person was talking to me and also talking to a ham around the world at the same time. What a great thing to be able to do. I made many many trips to this store just to be able to talk to and watch Mr. Jackson perform his task on CW.

At the end of the normal school day, I was usually in motion on my Schwinn looking for those hugh beam antennas.. I thought to myself that someday, I will become a ham and be able to talk around the world. My bug for talking and learning the code became a reality in the late 1950s.

However due to circumstances somewhat other then mine, I had actually made my first contact with a gentleman named Rich Johnson down the block from where I had grown up. My first radio was actually a single channel crystal controlled RCA telephone type, which was placed between (2) CLOSE houses.

I became licensed later in life around 1976 with the call of wd8pag at Marquette as a novice and then became a technician in early 1978. I spent over 3 years as a tech doing nothing but CW on a Hallacrafter sx100 receiver and an ht46 Hallacrafter Transmitter, (what power) and finally I graduated to many radios, buying, selling, and trading, to finally getting to the point where I could purchase a new shiny Yaesu ft-101EE in 1978. During the 1979's and 1980's I made many CW contacts around the world including many to Japan and foreign lands.

More fun was cutting power and still trying to make a CW contact. Reducing to low power (around 50 watts), seemed to be my norm. I became a DX chaser on CW. I put up several home brew dipoles and that was my antenna system for many years until I started a Ham Radio Store and CB store combined in Marquette. This business provided many opportunities in years to come for keeping up this great hobby of Amateur Radio.

In the early 1990's I became a General, then advanced, licensed ham radio operator. I since have had 3 calls, wd8pag, n8nhd, and finally kg8sq

Since retirement August 2004, I again started to devote many hours to this great hobby. I finally put up a tri-band Mosley Beam on a 70 ft tower and Started to put a better station setup together. I belong to several clubs, hold office in our local club and devote many hours a week to help keep this great hobby alive. Many thanks go to many Ham Friends throughout the Upper Peninsula for also devoting their time and effort to help me out as a Elmer over the last 45 years of so.....

Many facets of this great hobby are here and out-there for us all. Please take advantage of what we have. Take that time and become an Elmer for someone interested in radio. Join a club and go to meetings, you wont regret one minute of this when you look back over the years.

I can name 50 people off the top of my head that have really helped me out in this great and wonderful hobby. Many thanks go to Rich Schwenke, Pete Tremi Joe Defalico, Lane Dawson, Rich Johnson, John Wasmuth, Bill Becks, Dave Palmgren, Jerry Shapy, Paul Racine, Paul Donovan, Don Szenina, Bill Leveque, Gregg Hansen, Bruce Bureau, Gene Cole, Harry Padakas and many more and to numerous to mention here. But I am sure that everyone in ham radio will look forward to many more years of making friends, like I have .I'm hoping you join in and help your radio

club, Hearing the ("same-ole) at clubs can only change by you doing your part and helping out. I hope to hear you all on the bands, de KG8SQ, 73

TECHNICIAN CLASSES - BEGIN AT BAY

Classes begin at Bay De Noc Community College in Escanaba on March 1, 2005. Students and Adults gathered for a start of a 4 to 5 week course for learning the fundamentals for becoming a Ham Operator. Rich Thompson, Tony Marietta, heading up our classes again this year will begin with a new technician class program by the ARRL., our affiliate Sponsor. Delta County Club members purchased a Technician Class Video Course, which covers all facets of information needed to qualify for a Tech License. The complete course will include, the following; The Magic of Radio, Types of Emissions, Electrical Principles, Practical Electronics, Operating Considerations, Antennas and Feed Lines, Repeaters, Safety Practices, RF Radiation Safety, FCC Regulations, Frequency Privileges, Repeater, RTTY and Packet Rules. The Course will also include Technician Question Pool graphics, and the complete question Pool. Sample exams and review will be included. The course is free to anyone wishing to attend. Workbooks were purchased by persons wishing to start the course. Two hours per evening, Wednesdays, Thursdays will start at 6:30 PM and conclude by 8:30 PM Several adults also attend classes to help out with questions and informal information.

Club News by Les Elder, Dave Palmgren

Class in Action – ARRL's New Tech DVD course.



Digital photo by N8DP - Dave

