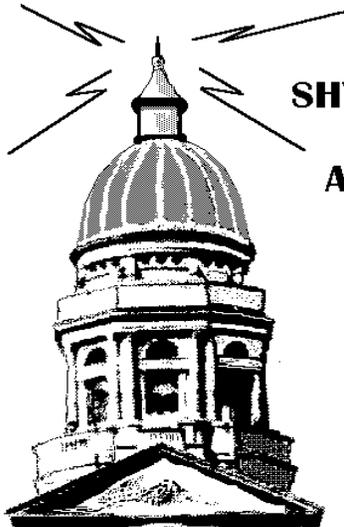


On The Beam

July 1997

Volume 3, Issue 3



**SHY - WY
AMATEUR
RADIO
CLUB**

**President: N7SDK, Mark
Vice Pres: N7GT, Greg
Secretary: KJ7FC, Beth
Treasurer: KC7NGM, Linda**

FIELD DAY 1997

BTDT - Been There - Done That! There were approximately 17 visitors to the field day site; including club members, non-members, non-amateurs and two county sheriffs who dropped by. The ARES/RACES van attracted the attention of the non-hams and authorities. Five amateurs managed to camp on the hill, KK7CN, KC7RZK, N0MKW, KB7MUP and N7MZW (there was barely enough to feed the millions of mosquitoes competing for bare skin HI! HI!). N7MZW set up an elaborate station of his own including a three element tri-bander on a 25' crank-up mast! The club station was QRV on all HF bands in the Races van with a Cushcraft R-7 vertical and also on VHF packet.

Field Day '98: JUNE 27& 28!

Shy - Wy ARC on the Web

By N7GT, Greg email: galka@sisna.com

Greetings to each of you. On behalf of the ShyWy Amateur Radio Club, I am pleased to announce the completion of the WebPage project for the club. The new address is now effective, along with a new host and many changes and upgrades to the pages. CheyenneWeb.com, located in downtown Cheyenne hosts the club's information and WebPages. They are hosting our pages and information for FREE, with unlimited storage for pictures, etc., etc., etc!! At the bottom of every webpage is a statement thanking them for the services, which also includes a link to their webpage and services. I think you will find the "Ham Radio Links" an extensive upgrade. This page in and by itself took nearly a month to research and develop. There are many new companies going on the web that offer Ham Radio related items, equipment, topics, and information. If any of you find these and know that they are not on the "Ham Radio Links" page, please email with the name of the company and the URL address so I can add them. I ask and encourage each of you to check out the pages. If you have problems with graphics, text, etc., please email me and let me know the details of the problem(s) or your concern(s). Thanks to all

(Continued on page 3)

LIGHTNING SAFETY TIPS

Your safety is our first priority. Lightning is dangerous because it is random and unpredictable. Please read, learn and teach others the following lightning safety tips. Be prepared to act quickly.

- 1. Practice the "Flash-To-Bang" measurement of lightning distance. This is the time from SEEING THE STROKE to HEARING THE THUNDER. For each 5 second count, lightning is 1 mile away. So, 25 seconds = 5 miles away, 20 seconds = 4 miles away etc. At a count of 15 seconds (3 miles) take immediate defensive actions.**
- 2. IF OUTDOORS...Avoid water. Avoid metal objects such as electric wires, fences, golf clubs, machinery, motors, power tools, railroad tracks, etc. Unsafe places include tents, golf cars, small open-sided rain shelters, or underneath isolated trees. Avoid hilltops and open spaces. Where possible, find shelter in a building or in a fully enclosed metal vehicle such as a car, truck or a van with the windows completely shut. If lightning is striking nearby, you should:
 - A. Avoid direct contact with other people.**
 - B. Remove all metal objects.**
 - C. Crouch down, with feet together and hands on knees.****
- 3. IF INDOORS... Avoid water. Stay away from open doors and windows. Hang up the telephone and take off headsets. Lightning may strike electric and phone lines and induce shocks. Turn off and stay away from appliances, computers, power tools, television sets, etc. Remain inside until the storm has passed.**
- 4. If a nearby person is injured from lightning, give first aid procedures if you are qualified to do so. An injured person does not carry an electrical charge and can be handled safely. Call 911 or send for help immediately.**

Brought to you as a public service by the National Lightning Safety Institute , Tel. (303)-666-8817. There's more interesting information about the human body and lightning located on the National Lightning Safety Institute Web page at: <http://www.lightning-safety.com> (the above has been reprinted with permission) ed.

A R
R A
E SKYWARN: We C
S have been very E
& busy lately with S
& SKYWARN S
& whether we were



officially activated or we ended up doing it on our own. WARNING!!! Part of our mission is to stay alive while we do this. Running into the storm may be part of what we need to do, but the objective is to stay away from the dangerous stuff. Do that. Avoid jumping into the "TWISTER" mindset. You need to be in a position to see what a wall cloud is doing. If you're under it or in it, you are not doing yourself or the NWS any good. We have done an excellent job thus far all things considered.

We don't need SK HEROS. We need someone to report to the LCEMA EOC when SKYWARN is activated. The last two activation's created multiple problems as 911 gave out info unconfirmed by spotters.

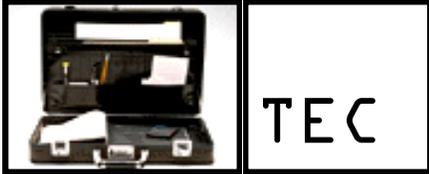
UPCOMING EVENTS

Frontier DAZE is just a few weeks away. Parade days are Sat-Tue-Thur-Sat. If you wish to participate, we welcome the help. We have proven to be a valuable asset in the past and I look forward to seeing everyone there. Contact Steve, WA7H or myself to get on the list.

WIPPTREX exercise is scheduled for July 8th and we'll need your assistance in the EOC, the ARES/RACES van, and the LCEMA com van. Let me know if you can play. Time

(Continued on page 3)





by KB7MUP, Greg

The antenna problem on the 146.775 was resolved by an anonymous donation to purchase the AR-2 in use. THANK YOU!

Sinclair Technologies returned the 147.165-duplexer to factory spec's increasing system performance significantly. Thanks to Dave Guille at the Laramie County EMA for covering cost of this repair. Later this month we'll install a higher gain antenna on the Albin tower to try to squeeze just a bit more out of this system.

We'll need another work party this month to relocate the 147.105 back to my basement shop so I can try and get the receive problem resolved.

Our newest repeater, the 146.820 / HERC link is plugging right along. I have made some changes to the controller programming I hope you will find useful. First, the courtesy tones now indicate the link status. A single hi beep indicates the link is off. A hi-lo beep indicates that the link is on. Second, I have created some control codes so users may easily bring the link up or down. To turn the link on the code is 1* to turn the link off the code is 0* (sound familiar?). During field day I used the HERC to chat with a ham in Bozeman, MT and later Sunday evening I spoke to another ham in Aurora, CO. The HERC system seems to be performing exceptionally well !!

Shy - Wy Arc on the Web (Continued from page 1)

those involved in this project, especially Greg Rix for the digital pictures of the 775-repeater site. I am hoping to get pictures of all sites and post them in the near future, including detailed information about each site. This project was a coop of many discussions and lots of email between others and myself. I really appreciate all the help and assistance. The URL address for the ShyWy WebPage is <http://members.cheyenneweb.com/shywy>

A Cynic is a man who knows the price of everything, and the value of nothing. - Oscar Wilde



ARES/RACES....

(Continued from page 2)

is short, and we will be of great service.

"RACE FOR THE CURE" on August 16th in Lion's Park will require twelve or so volunteers. I'll let you know more later, but please mark it on your calendar and be sure to let me know if you can participate.

In closing, severe weather is still upon us. Frontier Days means a lot of people in our community. Keep the HT's batteries up, keep the eyes peeled, we are a major player for Emergency Communications in the Frontier Days Emergency Operations Plan. I know; I included us in it!

73's Marty KJ7JJ
Laramie Co. ARES/RACES

Thinking of purchasing an amateur radio related publication? The **CLUB LIBRARY**

has available for you to "review" many of the ARRL publications - before you buy your own copy. AND, they can be had just for the asking. Simply stop by the Club station located in the LCEMA EOC (basement of the police station), select the book(s) you wish to borrow, and fill in the sign out book. Try and get them back in a few weeks; someone else may be interested in the same publication. The list is quite lengthy so it's best if you just drop by and browse. There are novels, license manuals & study guides, code tapes, antenna design books, books about DX - RTTY - AMTOR, satellite books and packet radio books, RFI information, VHF video tapes on Packet, On Dxing and more, and more and more....



(Editors note: Not all Shy-WY members are RACES nor is this a requirement for membership. However, all the hams registered with RACES are Shy-WY members. Therefore this is a great way to keep those club members interested in public service activities informed of

Member Profile

CQ CQ CQ de W9SQT K K K



No that's not one of my typo's! In April of 1934 the FCC issued call letters W9SQT, a class B license, to Mr. Bennie James! As I understand it, this was similar to today's Novice class ticket. In the sixty-three years since then, Bennie has changed calls only twice. He was living in Nebraska when the tenth call district came into being and his call changed to W0SQT. As an air traffic controller working for the FAA he was fortunate enough to call many places home. Including Sheridan, WY and Kent, WA - now you know how he managed to end up as W7SQT. Bennie retired from the FAA in the summer of 1972 and has a hat full of stories about aviation and radio. I found it very interesting to listen as he told me how aircraft would use marker beacons in the vicinity of 278 kHz to navigate air routes. If you find yourself over coffee with Bennie be sure to ask him about the role of radio in navigation.

Bennie prefers to operate in the Original Digital mode (CW) on 40 meters. He uses a Kenwood TS-450 and a Mosley three element tri-bander for HF operating. In addition to friendly rag-chew cw and phone, you'll also find Bennie on the business end of NTS traffic. He's served as Wyoming Section Traffic Manager in the past and checks in regularly on the NTS traffic nets, the WY Cowboy Net and the Pony Express Net. You can also find W7SQT on the local repeaters and on VHF packet. Unfortunately, Bennie's shack is in the basement and a recent broken knee cap has kept him from getting down to the shack. I wish him a speedy recovery and good luck with the visits to the physical terrorist.

FB BEN =

TKNS FER QS073 es CUAGN =
W7QST de KB7MUP SK



SHEYENNE SWAP SHEET

N7GT, Greg FREE - Software. Greg has several copies of Juno for those of you who do not already have E-mail service. This is a freeware program for Windows to send and receive E-mail. There's no Internet or World Wide Web access. It's easy to use too!

N7GT, Greg MORE FREE Software. There is a group of Wyoming hams who have started using a program called ICQ. This program will enable you to chat keyboard to keyboard (over the internet) with other ICQ users who happen to be on line at the same time you are. It is also freeware and downloadable. For more info stop by this web site: <http://www.breazile.com>

The Sheyenne Swap Sheet is read after the regular VHF net on 146.775 every third Sunday. You can send me your listing several ways; e-mail me at kb7mup@aol.com or VHF packet to kb7mup@n7clv or during the Sunday net. The Sunday Net needs volunteer Net Control Stations. Drop me a note and let me know when you can be NCS. THANKS, Greg

UPGRADE UPDATE

Excerpts Taken from the ARRL
VE EXPRESS Newsletter

"Effective July 1, 1997, new Novice and Technician question pools (Elements 2 and 3A) will be implemented for use on all future Novice and Technician examinations. These new pools contain the new, separate RF-Safety subelement (subelement 10) implemented as a result of FCC Rule changes requires that five additional RF Safety exam questions be added to the Novice, Technician and General class written exams. This July 1st, Novice and Technician exams must begin including the five additional RF-Safety questions, while the five additional General class RF Safety questions will be added on July 1, 1998"

Also in the VE Express Newsletter there was a copy of the new FCC form 610, which now has a block for the applicants Internet address. On the back of the new form it states *"Print an Internet Address, if available, where you can receive information from the FCC regarding your application."* Perhaps in the near future we can expect an even quicker response to license applications????

Now you know why those NOW YOU'RE TALKING books were closed out at the local Radio Shack for \$6. Get going on that General Class upgrade before you need to buy a new study guide!

CALL	C	NAME	ADDRESS	PHONE	E-MAIL_ADD
N0IMW	P	Al Lowe			
N0JFW	P	Dot Lowe			
N0MKW	G	Dan McVay	P.O. Box 5404	638-3987	
WB0TCZ	A	Marty McCoy	4409 Summit Dr.	632-6074	75252.214@compuserve.com
NX2R	E	Sal Palumbo	1000 Centennial Dr.	638-4791	
KC5PFA	T	Sylvia Steiger			
KR7B	E	Ken Rathbone	237 Dillon Ave.	634-1147	kg7koken@aol.com
KC7BQR	T	Sean Baird	7421 Windsor Blvd.	635-8154	
N7CLV	P	Jim Best	6313 Woods Rd.	638-3441	jbest@worldnet.att.net
KK7CM	A	Ken Crips	1517 East 23rd St.	632-3445	
KK7CN	A	Randy Schein	P.O. Box 6654	637-3298	kk7cn@juno.com
W7COJ	G	Lois Sims	2913 Sitting Bull Rd.	638-6034	
W7COK	E	Ralph Sims	2913 Sitting Bull Rd.	638-6034	ralphsims@worldnet.att.net
KC7DDP	P	Susan Parkins	1417 East 18th St.	634-6557	kc7tpsp@aol.com
K7DSK	P	Haskell Cohen	411 West 7th Avenue	638-6344	
KC7DUZ	T	Frank Pinkley, Jr.	3220 Forbes Ct.	632-9787	
KC7DVA	T	Todd Parkins	1417 East 18th St.	634-6557	kc7tpsp@aol.com
KC7DVC	P	Mike Sullivan	2684 Deming Blvd.	634-6683	wycajun@juno.com
KC7DVE	G	Scott Harris	3637 Silvergate Dr.	634-5552	psharri@uswest.com
KJ7FC	E	Beth Harris	3637 Silvergate Dr.	634-5552	psharri@uswest.com
KC7FIM	P	Eric Cortez	3531 Silvergate Dr.	634-9548	
N7GT	E	Gre. Galka	7009 Bonneville Pl.	632-3589	galka@sisna.com
WA7H	E	Steve Cochrane	5409 Hilltop	635-7085	wa7h@aol.com
KC7IKE	T	Mike Johnson	3344 Birch Pl.	632-4570	
KC7IKF	T	Cyndee Johnson	3344 Birch Pl.	632-4570	
KJ7JJ	A	Marty Luna	11412 Stewart Rd.	635-7594	kj7jj@aol.com
WA7JYO	A	Bob Goss	944 Hillcrest Rd.	632-5636	
KC7KUN	T	KD Moore	3415 Foxcraft	634-4663	
WA7KXW	G	Homer Satchell	1406 Prairie Ave #129	637-8358	
WA7MAL	E	Tom De Hoff	4003 East 9th St.	632-9170	
KB7MUP	A	Greg Rix	3722 Central Ave.	635-6354	kb7mup@aol.com
KC7NGM	T	Linda Rix	3722 Central Ave.	635-6354	kc7ngm@aol.com
WB7NLQ	G	Donald Anders	417 Williams St.		
KC7PFM	T	Glenn H. Hein	4405 East 7th St.	632-5238	
KC7PFN	T	John Galka	7009 Bonneville Pl.	632-3589	
KC7PFO	T	Ron Sherar	306 Williams		
N7PLJ	E	George Anderson	4731 Sagebrush Ave.	638-6998	n7plj@aol.com
WB7RRZ	E	Wil Sellner	930 Western Hills Blvd.	637-8634	
KC7RZK	T	Tom Coles	1811 East 22nd St.	632-0170	
KI7SC	A	JR Haines	6005 Browing Dr.	634-9411	
N7SDI	P	Pat Baird	7421 Windsor Blvd.	635-8154	pdb@tcd.net
N7SDK	A	Mark Winger	3413 Sunrise Rd.	632-2259	
WA7SOH	T	Donna Goss	944 Hillcrest Rd.	632-5636	

Shy Wy ARC Sponsored Repeaters

For information on other local area repeaters please visit the Shy-WY Web Page at <http://members.cheyenneweb.com/shywy> OR you can look in the May issue of **ON THE BEAM**.

Frequency	Offset	PL Tone	Repeater Information
146.775	-.600kc	114.8	An open repeater with a closed autopatch. Located in Downtown Cheyenne, offers superb local area coverage. This is the primary Shy-Wy ARC repeater and in addition to encouraged rag-chew this repeater also supports, SKYWARN and ARES/RACES nets.
147.105	+.600kc	none	<i>Presently under repair. The back-up for 146.775.</i>
147.165	+.600kc	none	An open repeater located two miles east of Albin, Wy, providing coverage in Northern & Eastern Laramie County.
146.820 0*=Link Off 1*=Link On	-.600kc	None	This newly acquired system provides wide area coverage to southeast Wyoming. Users can access the HERC system through this machine. Enter ZERO STAR to turn the link off and ONE STAR to turn the link on. The repeater will respond with a single low tone courtesy beep if the link is off and a double hi/lo courtesy beep when the link is on. The repeater is located 40 miles West of Cheyenne atop "Beacon Hill"

S = Simplex

T= 100hz Tone

The Wyoming HERC system is a coordinated group of primarily privately owned and operated repeaters and links.

Reproduction and distribution of this information is encouraged.

Questions regarding the HERC System can be directed to Larry Hudson, KD7BN, HC33 250 Burma Road, Riverton, WY 82501. Phone 307-856-3111

SHY-WY Amateur Radio Club
Post Office Box 6262
Cheyenne, Wyoming 82003

On The Beam

On The Beam

CQ MEMBERS – CQ MEMBERS – CQ MEMBERS

HAMFEST CALENDAR

- Mountain ARC Campfest -
Sat & Sun Aug 23-24
Woodland Park Lions
Campground
- High Plains Roundup - Sat
& Sun Sep 6-7: (AKA
Yellow Pines Campout)
- BARCfest - Sunday Sept 28
Boulder County Fairground

Shy-WY ARC Club



Meeting
July 8th
7:00 P.M.
American
Legion on
Lincolnway

VE TEST SESSIONS

- ♦ **Aug 2, 1997** - In the
Cafeteria at the Wyoming
Highway Department
building.
- ♦ **Aug 16, 1997** - In the
basement of the Cheyenne
Light Fuel and Power
building.
- ♦ **Nov 1, 1997** - In the
Cafeteria at the Wyoming
Highway Department
building.

All VE exam sessions start promptly at 9:00
AM. Remember to bring two forms of

WWW . DOT . WEB PAGES . DOT . TO CHECK OUT . DOT . LOOK SEE

Wyoming Skywarn Page is at - <http://24.1.65.180/~skywarn>
Shy-Wy ARC Page is at - <http://members.cheyenneweb.com/shywy>