

Lincoln Amateur Radio Club Meeting

Wednesday, January 12, 2000, 7:30 PM

Nebraska Sheriffs' Association

17th & Holdrege Street

RAILROAD CODE vs HAM CODE

Morse code is dead, right?. Well, sometimes CW is the only way to communicate. For example, EME (Earth-Moon-Earth) and bouncing signals off the northern lights or meteors means signals are very weak. Did I mention that the equipment is pretty simple? A one transistor transmitter will work. And the history ... Code has a gr-r-r-r-reat history. And there is more than one Morse code.

NØBAE, Chaplain Gene Carriker, has offered to talk to us about Morse code. He'll discuss the histories and the comparisons of Railroad Morse (National Morse) and Ham Morse (International Morse). RR code has a pretty colorful history.

Gene was quick to point out that Railroaders call it telegraphy and hams call it CW. If one stops to think about the two codes, they have to have some differences just because of the differences in the sounders. Yet he has a neat

reference of how different characters have the same foundation in Morse.

Gene is a World War II vet and was involved in the invasion of Okinawa. After the war Gene attended Chillicothe Business College, then went to work for the CBQ Railroad. He talked about sending Railroad code so fast that each receiver would have to abbreviate all kinds of words just to keep up. Gene gave me a whole lot more information, but I don't want to take away his thunder.

Gene holds a General Class license, but he isn't limited to just CW. He likes packet and enjoys SSB, mostly on 8Ø, 4Ø and 15 meters. He's also on 2 meters. His HF rig is an ICOM 7Ø6 and he has a Collins KWM2-A that he hopes to get on the air soon.

This promises to be an interesting meeting, so come and bring a friend. We'll see you on the 12th!

The Lincoln Amateur Radio Club, Inc. 1999 Board of Directors

Club Repeater KØKKV	146.16/76
Packet BBS	KØKKV 145.01
Packet Cluster	KØGND 147.51
WebPage	http://larc.unl.edu

President	Bob Mitchell	WBØRJJ	488-3166	wbØrjj@arrl.net
Vice Pres	John Hauner	WAØYPY	486-1400	wa0ypy@arrl.net
Secretary	Brent Curtis	KCØBXU	464-7263	kcØbxu@arrl.net
Treasurer	Dianna May	WDØFGV	488-0458	waØasm@arrl.net
	Reynolds Davis	KØGND	488-3706	kØgnd@arrl.net
	Jerry McFarland	KE5RX	795-2395	ke5rx@arrl.net
	Jerry Kohn	WDØEGK	423-7304	wdØegk@arrl.net
	Steve Wood	KBØMTT	489-9740	kbØmtt@arrl.net

1999 Committees

ABOUTUS

Activities	KTØK
Auction	WAØYPY
Club Merchandise	NØDFI
Club Photographer	KNØRKY
Club Repeater	NØQEG
Club Station	KE5RX
BCV	WAØASM
Education	WAØYPY
Emergency Coordinator	KØGND
Estate Assistance	WBØUTC
Field Day	KE5RX
Flea Market	KØGND
LOG Editor	WAØASM
Net Manager	KBØMTT
Packet Sysop	KL7JG
Projects/Technical Development	WAØASM
Public Relations	WAØWRI
Public Service	KCØBXU
QSL Manager	NØUJZ
Social Events	KBØMTT
Tube Bank	NØSFC
TVI/RFI	WDØDMS

The Lincoln Amateur Radio Club is a non-profit organization devoted to the promotion of Amateur Radio. The Club sponsors activities and programs to promote growth in the number of hams, as well as furthering the experience of those already licensed, and to create international good will.

The Lincoln LOG is mailed to all paid members of the Lincoln Amateur Radio Club. If your label says "COMPLIMENTARY," please consider joining the Club and supporting our activities.

Even if you are not currently active, your contribution will help ensure the future of Amateur Radio. Dues for 2000 are \$15. For your convenience, please join by completing and mailing in the form on the inside back cover of this issue of the LOG.

The LOG solicits your input. If you have an idea for an article, wish to contribute an article, or want to place an ad in the LOG, contact the editor or mail it to the address on the back cover.

The LOG and other Lincoln Amateur Radio Club information is available on the World Wide Web at: <http://larc.unl.edu>

Permission is granted to other publications to reprint articles appearing in the LOG, providing source credit, author, and previous print source appear in the reprint.

The December LOG Staff

I thought, thought I—"this is going to be a long night. We have the Insider to include which means we have to do two separate mailings." But then the gang began to pour through the door at Havelock Christian: WBØQQT and son Dave—soon to be licensed we hope—KCØYL, NØMDU, NØSFC, WØKVM, KAØFQF, KBØZCY, NØBEB, WØKTZ, and with his very helpful youngsters, Maureen and Kyle, came KØNC. And before we were too far into bending and labeling, KØGND arrived. Yours truly, NØFYE, was lurking about as well. It was a great group and we were out the door by 8:15! Thanks y'all.

FROM THE PRESIDENT

Well, we made it, didn't we? Any problems resulting from Y2K have been handled by now, and the year 2000 looks pretty much like the ones before it that began with "19." Well, maybe one exception. How did that RJJ fellow get to be president of LARC? Well, he's not certain either; it sure wasn't his idea. But so it is, and we're going to give it our best shot!

But first, sincere thanks to the 1999 Board for their fine work in making it a very good year—especially to retiring members Greg Brown, KTØK, and Hal Kunkee, KØKTZ. Both of these gentlemen will be active in the club in other ways this year. And congratulations to board members from the past, now newly elected—Dianna May, WDØFGV, and John Hauner, WAØYYPY—and to 1999 incumbents re-elected—Jerry Kohn, WDØEGK, and Reynolds Davis, KØGND. The current Board membership appears on page 2, along with the list of committees and the folks in charge of them. Your new board is comprised of people with leadership experience. Records dating from 1974 show that WAØYYPY served as President in 1982 & 1984, Vice-President in 1987 & 1988, and Secretary-Treasurer in 1977 & 1978; WDØFGV served as Secretary-Treasurer in 1987 & 1988; KØGND served as Vice-President in 1977 and as President in 1974, 1975, 1976, 1978, 1980, 1991, 1993, 1998 & 1999, WDØEGK served as President in 1981 & 1990 and as Treasurer in 1997, 1998 & 1999; KE5RX served as Vice-President in 1999; and KBØMTT served as Secretary in 1997 & 1998. Added to these 26 years of collective board leadership are many committee chairmanships, dozens of years of board membership, and more than a century of Club membership.

But history is a record of the past that must be balanced by a vision for the future. The ideas discussed at the board's meetings, along with the personal activities of its members, indicate that while we have respect for bygone days, we also have great hope for days yet to come. As one of the most active local Amateur Radio organizations in the world, we will continue to offer enough activities that no one can honestly say, "This club doesn't do anything." In fact, I'll challenge anyone to participate in every club

activity without violating The Amateur's Code (found in the front of every ARRL Handbook), particularly the part that says, "The Radio Amateur is balanced; radio is an avocation, never interfering with duties owed to family, job, school or community." Those who know me will understand if I add "church."

Part of our vision is a desire to hear from YOU and to consider your ideas. Contact any board member by *snail* mail, e-mail or phone. Better yet, come to the Board meetings; they are open to all members, and wherever they are held, starting this year, they are smoke-free (with breaks), just like the Club meetings. The January 19 meeting is at my home, 3206 South 48th (east side, across from where High Street goes west; park on either part of High Street after the driveway is filled). Please extend the courtesy of calling first, so we can arrange the space, the chairs and the refreshments comfortably for everyone.

But first, come to the January 12 Club meeting (see page 1). Practice writing "2000" on your checks by renewing your membership in LARC (and LRC, see page 7), meet old friends, make new ones, learn something useful and enjoy this great service hobby we call Amateur Radio. See you there!

... Bob Mitchell, WBØRJJ

ED WOERNER MEMORIAL AWARD ESTABLISHED

At their December meeting, the Board of Directors voted to establish a memorial award in honor of Ed Woerner, WAØQJK, who passed away in October.

The award, funded through a generous gift to the club by Barbara Woerner, KAØGON, will recognize a local ham who has excelled as a mentor to local ham operators. Being an "Elmer" for other, especially the new, hams by helping them in any one of a number of ways is a tradition in amateur radio, and Ed was an "Elmer" to many others.

The award recipient will be selected by a jury selected by the Club President, and presented at the annual Club Christmas party.

ELECTION RESULTS

At the December club meeting, Dianna May, WDØFGV, and John Hauner, WAØYPY, were elected to the Board while Jerry Kohn, WDØEGK, and Reynolds Davis, KØGND, were re-elected. They will serve through 2001.

Dianna previously served four years on the Board from 1985 through 1988, the last two of which she was Secretary/Treasurer.

John previously served eleven years on the Board. He was President in 1982 and 1984, Vice-President in 1987 and 1988 and Secretary-Treasurer in 1977 and 1978.

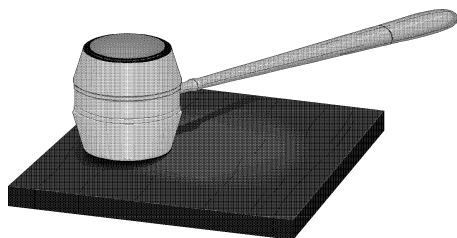
The elected Directors join current Directors Brent Curtis, KCØBXU; Steve Wood, KBØMTT; Bob Mitchell, WBØRJJ and Jerry McFarland, KE5RX whose terms end next year.

Retiring from the Board were Greg Brown, KTØK and Hal Kunkee, KØKTZ. Both Greg and Hal have made significant contributions to the Club.

Greg served as VP in 1998 providing the club with an interesting range of programs and he was Secretary this past year. Greg has also been instrumental in generating interest in contests and spearheaded our CW classes this year.

Hal has served six years on the Board including one term as VP in 1994. Hal has organized the daily noon lunch get-together, volunteered as both a teacher and Examiner for club classes, and has been the focal point for the KFOR toy pickups for several years.

OFFICERS At the December Board meeting, Bob Mitchell, WBØRJJ, was elected President. John Hauner, WAØYPY, will serve as Vice-President/Program Director. Dianna May, WDØFGV, was elected Treasurer, and Brent Curtis, KCØBXU, will be the Club Secretary for 2000.



1999 PUBLIC SERVICE

Public service for the year totaled 31 activities including 12 SkyWarn related events; 184 local “hams” contributed to the effort! Thanks to everyone for their assistance!

Event	Hours
State Winter Games - Feb 6/7	44.75
NPTV - Mar 22	31.83
SkyWarn Net - Apr 8	16.90
MS Walk - Apr 18	34.60
EOC Drill - Apr 20	8.25
SkyWarn Net - Apr 21	24.47
March-of-Dimes WalkAmerica-Apr 24	51.50
Lincoln Marathon - May 2	222.00
SkyWarn Net - May 15	106.75
SkyWarn Alert - May 16	2.45
SkyWarn Net - May 16	106.08
SkyWarn Net - May 20	22.91
SkyWarn Net - May 22	38.54
SkyWarn Net - May 30	61.70
SkyWarn Net - Jun 9	77.66
Goehner Anniversary - Jun 12	18.50
SkyWarn Net - Jun 30	35.83
SkyWarn Flood Net - July 5	16.13
State Games - July	1,351.00
NPTV - Aug 16	51.50
SkyWarn Net - Aug 17	50.73
State Fair	1,656.91
Bike Races - Sep 19	41.75
HillFest - Sep 24	11.50
Scouts at Wildwood - Sep 24	7.50
Duncan Triathlon - Sep 26	46.75
Embassy Suites Fire - Oct 7	3.00
CROP Walk - Oct 10	33.00
Easy Pickin's - Oct 16	72.50
Downtown Lights - Dec 3	29.75
KFOR Toys	22.00
TOTAL HOURS	4,298.75

1999 PUBLIC SERVICE TOTALS BY STATION

(Call, Events, Hours)
 KCØABG,1,0.38; WØAGD,1,4.50; KØAIZ,1,0.98;
 KØAOL,2,5.38; KCØAOO,4,23.08; KØASH,2,1.06;
 WAØASM 19,112.78; KCØAUO,1,6.42;
 NØAYZ,1,4.00; NØBAA,1,6.00; KCØBHI 11,96.36;

KBØBLL,1,7.50; KAØBOJ,5,9.08; KBØBUM,1,1.32;
 KCØBXU 24,196.83; KEØBZ,5,8.83; KCØCDQ 11,23.57;
 KCØCDR,1,0.70; WDØCHM,2,10.52; WØCHV,1,3.00;
 KBØCOW,1,4.00; KBØCTK,1,2.50; KCØCWP,1,3.50;
 WDØDAR,1,11.00; KAØDBK,1,6.50; NØDDE,1,1.60;
 NØDFI,12,82.38; KCØDFL,1,2.25; KCØDFR,5,8.14;
 WBØDGF,4,17.75; WØDMS,3,6.18;
 KAØDRN,3,123.75; KCØDTK,1,5.00; KCØDVG,1,3.07;
 KCØDVH,3,3.87; KCØDYG,2,23.08; KCØECS,5,21.24;
 WDØEGK 18,214.22; NØEMJ,10,57.32;
 KCØERW,4,10.61; KEOET,1,2.00; WDØEUZ,1,7.00;
 WDØFAD,3,55.00; N7FAQ,6,7.59; W9FBW,1,1.50;
 KCØFDL 17,102.09; KCØFDM,7,48.52;
 KCØFDN,2,2.25; NØFER,5,64.84; WDØFGV,6,36.82;
 KAØFQF,4,28.55; KCØFRP,1,1.50; KBØFRX,1,1.88;
 NØFYE,5,14.90; KCØFYR,2,4.38; KCØFYS,1,6.00;
 KCØFYT,5,23.74; KBØGFT,1,0.58; KEØGI,12,83.33;
 KØGND,27,120.09; KØGOR,1,1.00; KAØGRT,1,6.00;
 KBØGTO,1,16.78; NØGVK,3,11.63; WBØGXT,1,16.50;
 KCØGXY,1,0.25; WAØHWR,1,36.00; KIØIE,5,16.63;
 KBØIEK 12,22.01; KBØIFH,1,5.87; NØIXE,7,29.90;
 KEØJT,2,4.45; KTØK,17,57.32; KBØKA,2,20.42;
 WØKBS,5,14.24; KC7KDZ 10,20.52; NØKIS,1,4.50;
 WAØKJN,1,6.25; KGØKK,2,11.00; NØKLT,3,33.75;
 KØKTN,1,0.97; KØKTZ,8,38.42; WØKVM,4,11.11;
 NØLBP,1,7.00; KBØLQR 11,16.17; NØLWL,4,8.10;
 NØMDU,4,14.11; WBØMRK,1,9.50;
 KBØMTT,9,50.18; KBØMYH,1,7.45; KBØMYW
 12,39.46; KØNC,2,16.23; KØNE,1,4.50;
 NØNEB,13,48.91; WAØNNB,1,6.90; NØNSD,1,1.00;
 KBØNVA,1,7.00; KD4NYY,2,9.03; NØOFO,2,10.73;
 NØOFR,1,0.82; NØOHK,1,15.50; KBØOKØ,1,0.95;
 NØOLK,1,9.25; NØOLP,1,8.00; NØOQE,4,40.55;
 NØOQF,1,9.50; NØOSB,3,5.26; KBØOWY,2,11.45;
 NØOZL,2,4.77; KBØPFN,5,4.78; KBØPLK,1,11.50;
 WAØQ,1,7.00; KBØQCZ,5,39.48; NØQEG,4,7.33;
 KAØQEP,2,93.98; KBØQEY,7,8.58; NØQFT,2,18.00;
 NØQMO,1,10.50; WBØQQT,3,4.40; NØQVJ,2,10.50;
 NØQVK,1,15.75; NØQYH,2,9.25; NØQYL,3,66.47;
 NØQYN,1,4.15; NØQYO,1,5.50; NØQYP,7,32.01;
 NØRHL,2,12.50; NØRHL,6,16.02; WBØRJJ 16,78.27;
 KNØRKY,5,21.14; KE5RX,3,13.27; NØRXJ,1,2.00;
 KAØRYS,8,42.86; KBØRZP 22,189.67;
 KBØRZQ,3,13.15; WA6SAL,1,2.40; NØSCE,2,7.50;
 NØSCF,26,195.86; NØSFC,2,6.25; WØSFY,1,8.13;

KØSM,1,1.80; KBØSND 15,103.77; KØSOV,8,21.45;
 KB2TOJ,1,3.50; KBØTVU,1,0.37; NØUJR,3,5.30;
 NØUJT,1,0.63; NØUJX,1,0.92; WBØUTC,1,8.00;
 KBØVAH,5,29.14; KBØVAL,2,5.71; KAØVGR,1,17.82;
 KØVIC,1,4.00; NØVMT,1,52.12; NØVMU,2,2.08;
 NØVMV,1,12.68; KBØVMZ,3,4.84; KBØVVD,9,45.75;
 KAØVXX,2,4.50; KBØWJC,6,26.70;
 WAØWRI,2,24.82; KAØWRY,1,5.50; WBØWSL,1,1.97;
 KBØWZC,1,0.88; KBØWZG 14,146.10; KBØWZH
 10,58.00; NØXLU,1,1.55; KBØYDF,8,14.94;
 KCØYE,4,29.41; KCØYL,2,8.25; NØYNB,2,14.15;
 WAØYPY,1,24.00; KBØYTO,1,4.25; KBØYTP,1,8.33;
 NØYXV,1,5.73; KBØZAL,1,6.62; KBØZAM,2,31.00;
 KBØZCY,1,1.00; NØZRV,2,10.92; NØZSA,1,66.00;
 KBØZUU,1,10.50; WØZVW,4,11.62; NØZZR,2,8.25;
 KBØZZT,1,5.00

DECEMBER PUBLIC SERVICE

On December 3, members of the Lincoln Amateur Radio Club worked behind the scene to produce magic. When Mayor Don Wesley pulled the switch to turn on the downtown Christmas lights, it was our group of elves that made sure each of the many switches in various buildings downtown were activated simultaneously. And, once again, we fooled everyone! The Mayor got the credit and we did the work. Our elves included: WAØASM, KCØBXU, KBØCTK, WDØFAD, KCØFDL, WDØFGV, KTØK, KØKTZ, KBØLQR, KBØMTT (and Cathy), KBØMYW, WBØRJJ, KBØRZP, NØSCF, KBØSND and KBØWZH.

Club members also assisted KFOR with their annual "Operation Santa Claus" where listeners donate money to purchase toys for needy kids in the area. This year, nearly 3,000 kids benefited from the project. The LARC elves picked up toys from Teddy Bear Express, Super K-Mart, Wagey Drug, the Children's Museum and KFOR between December 6 and December 18, and delivered them to the National Guard where they are wrapped and delivered.

LARC elves included NØDFI, KØGND, KØGOR, KCØGXY, NØKLT, KØKTZ, KØNC, NØNEB, WBØQQT, KBØRZP, NØSCE, NØSCF, NØSFC and KBØZCY.

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20 Years Ago in the LOG

December 1979: 90 club members participated in public service during 1979, which included 3 SkyWarn nets, as well as assistance after the March 3 blizzard and help with the March 15 floods ... new towers and antennas up for WBØRIM, KØNE (Harold Conant), and NØCOO ... In the transmitter hunt, no one found WBØYER, who was near West 44th Street and Old Cheney Road ... the solar cycle was peaking and KØHA snagged Alaska on 6-meters.

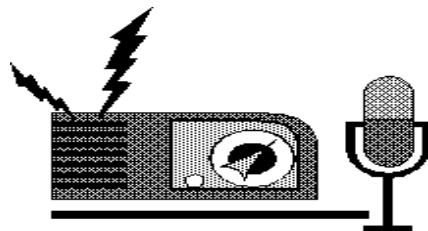
January 1980: LARC 1979 membership ended with 224 ... elected to the Board were: WDØEGK, KQØK, WØMYT and WØYPY. Officers for 1980: President: KØGND, Vice-President: WBØDGF, Secretary/Treasurer: KQØK ... Five committees were set up to manage Club activities and chairmen selected: Classes-WBØDGF, Midwest Convention-WAØASM, Transmitter Hunts-WBØYER, Club Librarian-WØDCB, Explorer Post #73-WDØAFZ, Community Events-WDØEGK ... Steve Baily, NØUS, with NØLAL driving, found the hidden transmitter in a near record 17 minutes to end the year at the top of the standings, 6 points ahead of WBØYER ... Mary Rea, KQØK, was the winner of the prestigious Jerry Cox award ... Dave Knisely, KAØCZC, won the Club letterhead design contest ... Jerry Kohn, WDØEGK, joined the crowd on 2-meter RTTY.

**LINCOLN REPEATER CLUB
MEETING - Jan. 27th**

The Lincoln Repeater Club (the .85 guys!) annual meeting will be Thursday, January 27, at 7:00 PM at Gere Library, 56th Street and Normal Blvd. All users of the .85 repeater system are encouraged to attend. All Lincoln Repeater Club members are invited to participate in elections held that night for board members. Discussion will include repeater site status, voter plans, new equipment, and more.

We would also like to thank all of the people who have supported the Club this year by joining. Your investment has kept the radios working, paid the phone bill and the insurance bill, upgraded equipment where necessary, and provided the foundation for an expanded repeater system. Your \$10 membership fee costs less than a magazine subscription, yet provides emergency communication capability for all of Lancaster County. Thank you for your continuing support. See you on January 27!

73 ... de Blaine Tompkin, KØNE,
President, Lincoln Repeater Club



**Repeater Maintenance -
a full time job**

Bruce Colgrove, WØDMS, kept a diary last year in order to track the time involved with keeping the Lincoln Repeater Club's KØLNE (146.25/85) repeater on the air. The total was nearly 450 man-hours! That equates to over 11 forty-hour weeks.

The hourly totals for the year were: WØDMS - 263, KØAOL - 62, KØKIM - 48, KØNE - 40 and WØCHV - 35.

Our thanks and appreciation go to the Lincoln Repeater Club crew!

Sale/trade listings are free to current LARC members. Send your ad to the editor at the address below.

The ADS

For Sale: 36 ft. tall Rohn AX series free standing tower. \$50. Call Charlie, WBØUTC, 474-4272.

For Sale: Used DOS Laptop Toshiba 1000e. Asking \$50. Call Charlie WØSFY at 730-5670.

The Quickies ...

Our condolences go to Jerry Kohn, WDØEGK, and family on the death of his mother, Dorothy, who, before her death on December 13 at the age of 88, spent many hours monitoring our activities on her scanner. ... Nice to hear Jim Cidlik, WNØIWT, up on 10-meters after a long absence. Jim's new ICOM 746 and random wire antenna working well ... Congratulations to Lowell Wurdeman, KEØGI, 1999 recipient of the Jerry Cox Award for exemplary service to Amateur Radio ... If you want to check up on former Lincolnite Scott McCullough, NØNID, take a look at his web site: www.mcwood.net ... Nice to see Bruce Colgrove, WØDMS, joining the gang on the PacketCluster (C KØGND on 147.51) ... Dorothy Bush, WAØVNE, is very active in animal abuse causes. Her Mickle-Bush Foundation is sponsoring a workshop February 5 ... One for the books: Dave Kunkee, KØDI, worked the ARRL phone sweepstakes via phone patch through Hal Kunkee's, KØKTZ, station ... Speaking of contests, in the ARRL DX contest, John Ragsdale, NØOFR, scored a personal best of 455 QSO's and 71 multipliers. In the same contest, Greg Brown, KTØK, logged 1,166 CW QSO's!!! ... Bill Frost, WØBX, completed his tower & antenna installation ... The other NØFER/R on 145.325(-) is up and running from the downtown campus area. Give it a try ... The Strategic Air Command Memorial Amateur Radio Club now has a new WWW Home Page: <http://www.sacmarc.org> and officer e-mail addresses: president@sacmarc.org, vp@sacmarc.org, treasurer@sacmarc.org, secretary@sacmarc.org, property@sacmarc.org, editor@sacmarc.org, kØair@sacmarc.org, and kØgrl@sacmarc.org

Lincoln Amateur Radio Club Registration Form

Personal Information

Name: _____ **Call:** _____
Address: _____
City: _____ **State** _____ **Zip+4:** _____
Home Phone: _____ **E.Mail Address** _____
License Class: _____ **T-Shirt Size** _____

Membership Information

- Lincoln Amateur Radio Club: (\$15 per Calendar Year) What year?** ____
 I have also included \$10 Dues For the Lincoln Repeater Club

Both Clubs Appreciate your support. Please make your check and mail to:
The Lincoln Amateur Radio Club
P. O. Box 5006
Lincoln, NE 68505

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Lincoln LOG
Lincoln Amateur Radio Club
PO Box 5006
Lincoln, NE 68505

Dated Material - Do NOT Delay

Return Service Requested

CALENDAR 2000

January 12 (Wednesday) QCWA Luncheon
@ The Pantry
January 12 (Wednesday) **LARC Club meeting**
January 19 (Wednesday) LARC Board Meeting
at QTH of WBØRJJ
January 27 (Thursday) LRC Annual Meeting
January 28 (Friday) LOG input **DEADLINE**
February 5-6 Cornhusker State Winter Games
March 25 (Saturday) Storm Spotters' Training