

N O R T H E R N
C A L I F O R N I A
D X C L U B



The Editor's Keyboard

This issue is my first as Editor of *The DXer*, and it is not without trepidation that I step into Dave Barton's sizeable footprint. I am grateful both for Dave's sage advice and his well-crafted format, and wish him continued success with his editorship of *The Amateur Radio News Service* newsletter.

Since my decision to change hats and take on *The DXer*, I have pondered my objectives. This is *your* newsletter, but the editor gets to decide on which bands to transmit and in what direction to point the beam. While I plan no radical changes in *The DXer*, I do intend evolutionary changes to achieve greater participation by the membership.

The Northern California DX Club has over 400 members—representing thousands of years of amateur radio and DXing experience. These add to the achievements and experiences of their “civilian” lives: our members are a treasure-trove from whose experiences we can all be enriched. Despite this potential, we interact very little: prospective new members speak briefly at their First Reading, and then are heard no more—other than in pileups. Old friends stay within their circle of buddies, isolated from the “new blood” any organization needs to attract and cultivate. The same hams volunteer for club service year after year, while the rest are content to be entertained. This is neither healthy nor tolerable.

My vision for *The DXer* is of a steady flow of member input: DX history, adventure, humor, tutorials, product reviews, biography and—most importantly—*opinion!* Toward achieving that vision, I have initiated several new *op-ed* features in the inside pages: *Point & Counterpoint*, *One Member's Opinion*, and *DXer Profile*, in addition to *The Editor's Keyboard*—my editorial slot. In so doing, I have taken a deliberate risk, because these columns can only succeed if readers contribute their ideas and efforts.

If I succeed in increasing membership participation, each month will bring a *DXer* loaded with up to eleven pages of news and features in which most will find some items of interest and entertainment. If I do not succeed, I shall not rely upon filler material from outside. Rather, *The DXer* will shrink to a skeletal publication reporting last month's meeting minutes, next month's meeting location and program—and little else.

I shall do my best to succeed...but I need your help!

—NI6T

- Ukrainian DX Contest: Nov. 20-21
- ARRL Sweepstakes Phone: Nov. 20-22
- CQ Worldwide CW Contest: Nov. 27-28
- Livermore Swap Meet: 1st Sunday of each month at Las Positas College in Livermore, 7 till noon, all year.
- ARRL Sweepstakes CW: Nov. 6-8
- WAE RTTY: Nov. 13-14

Coming Events

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W6CF to “Spark” November Meeting

The regular monthly meeting of the Northern California DX Club will be held on Friday, November 12, at *The Bold Knight Restaurant* in Sunnyvale.

Our own Jim Maxwell, W6CF—late of DXAC and currently running for Vice-Director of the Pacific Division—will present “A History of Telegraphy”, drawing upon some of his extensive personal collection of radio and DX history and memorabilia. The show—which has played to enthusiastic responses at several Northern California radio clubs—will include recordings of WW1-era spark transmitters. Don't miss this one!

Dinner is optional, with the following selections: Salmon or Prime Rib (\$16) or a Mediterranean Chef's Salad (\$11). Contact Craig Smith, N6ITW, at (408) 777-0700 or FAX your request to him at (408) 257-8847. Pay at the meeting.

The Bold Knight is at 769 North Mathilda in Sunnyvale, south of Hwy 101, near Maude. Attitude adjustment commences at six PM, followed by dinner at 7:15, and the meeting.



N O R T H E R N
C A L I F O R N I A
D X C L U B

Club Officers:

President: George Allan, WA6O
 Vice President: Craig Smith, N6ITW
 Secretary: Ron Panton, W6VG
 Treasurer: Dewey Churchill, KG6AM
 Director: Bob Artigo, KN6J
 Director: Jim Knochenhauer, K6ITL
 Director: Louese Bloom, KA6ING

DXer:

Editor: Garry Shapiro, NI6T
 20941 Nez Perce Trail
 Los Gatos, CA 95030
 (or via DXPSN)

Printing, Mailing: Ron Panton, W6VG

DX Ladder: Larry Bloom, KD6XY
 2520 Heather Lane
 San Bruno, CA 94066
 (or via DXPSN)

Roster Manager: Garry Shapiro, NI6T

Club Repeater, W6TI/R, (147.36+)

Trustee: Bob Vallio, W6RGG
 Comm. Chairman: Ralph Hunt, AG6Q
 Club simplex: 147.54 (suggested)
 Thurs. Net QTR: 8 p.m. local time.
 Net Manager: Ralph Hunt, AG6Q
 DX News: Dave Pugatch, KI6WF
 Propagation: Al Lotze, W6RQ
 Contest News: Rich Hudgins, WX6M
 Westlink: Craig Smith, N6ITW
 Swap Shop: Ben Deovlet, W6FDU
 933 Robin Lane
 Campbell, CA, 95008
 (408) 374-0372

QSL Information: Mac McHenry, W6BSY

W6TI DX Bulletins:

W6TI Station Trustee Bob Vallio, W6RGG, transmits DX information at 2:00 zulu every Monday (Sunday evening local time) on both 7.016 and 14.002 MHz.

Club address: Box 608
 Menlo Park, CA
 94026-0608

The DXer is published Monthly by the Northern California DX Club and sent to all club members.

Unless otherwise noted, NCDXC permits re-use of any article in this publication—provided the DXer and the article's author are credited.

Board of Directors Meeting

The October, 1993 BoD meeting was held at the home of W6VG. Present were: President George Allan, WA6O, VP Craig Smith, N6ITW, Treasurer Dewey Churchill Jr., KG6AM, Secretary Ron Panton, W6VG, Directors Louese Bloom KA6ING, and Jim Knochenhauer, K6ITL, and guest NCDXC member Lee Williams, WA6IME.

- Minutes of previous board and general meetings were read with K6ITL suggesting a small change in the wording.
- Negative feelings were put forth regarding the KI3V announcements on packet. BoD is looking forward to results of the packet poll.
- Future dinner meeting places were discussed, with no firm suggestions put forth. Board would welcome help in lining up good restaurants.
- Check for the \$2500 donation to NCDXF in the Jim Rafferty memorial fund is ready and will be mailed to the Foundation.
- Discussion on distinctive life member badges. The original life member badges were red, but some life members preferred the white club colors. No decision was made.
- WA6O will rewrite the reinstatement letter and KG6AM will rewrite the cards sent to remind members of the dues date, and reinstatement fee of \$10.00.
- The vote was unanimous against NCDXC donating \$1000 annually to the NCDXF.
- N6ITW suggested that the club find a member to take over the secretarial duties. Many members have never been involved in club offices, and the board would like to see more members handling club duties. It might be possible to split the position into two jobs.
- The board approved the expenditure of approximately \$160 for an upgrade to *The DXer* editor's software. The cost of a scanner was deemed to be too expensive at this time. W6ISQ uses Kinko's for all pictures for the *NCCC Jug*.

General Meeting

The October meeting took place at *The Bold Knight* in Sunnyvale. George, WA6O, presided.

- Brad Wyatt, K6WR, asked for clubmember support in his race to become Director of the ARRL Pacific Division. Jim Maxwell, W6CF, also requested member support for his Vice-Director campaign.
- Jim, W6CF, spoke briefly about the DXAC vote to reinstate Eritrea to DXCC country status.
- George, WA6O, commended outgoing *DXer* editor Dave Barton, AF6S, for his outstanding job at the helm of the newsletter.
- The membership accepted the resignation of Garry Shapiro, NI6T as Vice-President, and the appointment of Craig Smith, N6ITW to replace him. Ron Panton, W6VG, replaced Craig as Secretary. Garry resigned to assume the editorship of *The DXer*, but retained his position as Roster Manager.
- The presentation—by Jim Duffy, WA6AUE and Marko Myllymaki, OH6DO/AB6NJ—featured the 1993 9MØS Dxpediton to the Spratly Islands. Jim and Marko presented an excellent slide show and talk on the Dxpediton and the events leading up to it.
- Craig, N6ITW, held a first reading for Peter Gerba, KN6BI. Peter is sponsored by W6RQ and W6TEX.
- There were second readings for Jerry Boyd, KG6LF, and Danny Hayes, AB6E.

continued on next page

Both received unanimous approval by voice vote of those present and were welcomed to membership.

- George WA6O, asked the membership to honor Vincent Chinn, K6KQN, for his many years of service to the club as our CPA. The motion to make K6KQN an Honorary Life Member was made by W6DU, and seconded by KA6ING. The motion passed unanimously.
- K6ITL moved to close the meeting.

Roster Changes

New Members:

Jay Selwitz, KB6LYO (A)
144 Overhill Road
Orinda, CA 94563
H: (510) 254-3872
W: (415) 622-9405

Eric Swartz, WA6HHQ (E)
434 Vista Del Mar Dr.
Aptos, CA 95003
H: (408) 662-1973
W: (408) 662-1973

Danny Hayes, AB6LJ (E)
8210 Chester Dr.
Sacramento, CA 95830
H: (916) 689-4432
W: (916) 689-9080

Gerald (Jerry) Boyd, KG6LF (A)
P.O. Box 2701
Martinez, CA 94553
H: Unlisted
W: (510) 372-3545

George Staudacher, KI6CG (A)
21725 Irma Lyle Dr.
Los Gatos, CA 95030
H: (408) 353-2188

Left Out of the Roster:

Don C. Turner, W6ROY (E)
601 Somerset Dr.
Vacaville, CA 95687
H: (707) 451-2134

Changes and Corrections:

Terry Smith, K7YNO
B: (408) 522-2600
FAX: (408) 522-2626



Wanted:

Photographers & Proofreaders

Do you have photographic skills? *The DXer* needs volunteers to shoot club meetings, farms. We'll buy the film (B/W) and pay personal computer would be desirable but and do occasional field assignments, such as photographing member QTH's and antenna is not necessary, for processing!

Do you have a copy editor's eagle eye? No one can adequately proofread his own material, and I am an engineer, not an English professor. Please help! A

For either position, contact NI6T, Editor.

Fotomat to Perform DXCC Field-Checking

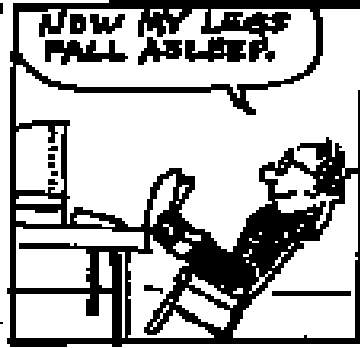
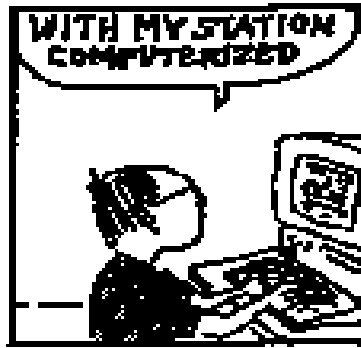
The ARRL DXCC Desk, in a surprise move, has awarded Fotomat a contract for field-checking QSL cards. The nationally franchised film processing chain, with outlets in most large shopping malls, plans to offer a punch card to all hams requesting one. Each roll of film processed will entitle the ham to free checking of ten cards. Otherwise, rates will be \$1 per card, \$79.95 for DXCC (including the certificate) and \$229.95 for honor roll (one mode).

Those qualifying for DXCC on machine modes (RTTY, packet, Amtor, etc.) will have the option of receiving a gold-plated diskette with a special label in lieu of a certificate. The diskette can be framed or, if inserted into a PC, will display a 24-bit color, 3-dimensional, rotatable image of a gold trophy on the screen (Super VGA and Macintosh versions will be available nationwide and Silicon Valley stores will also offer versions for NeXT, Sun and HP Workstations).

from 'The Clod Harris DX Bulletin, Special Hamvention Edition'—an anonymously



ELMER



By Rich Regent, KBGDF

One Member's Opinion

Life with "Charlie"

Dick Letrich, WB6WKM

Recently, a fellow ham from out of the area rode with me and heard "Charlie" come on the air on W6TI to announce DX. He said "it sounds like the band is really hot!", at which point I suggested that I did not think that it really was, because "Charlie" tends to report non-existent DX. He inquired as to what C.H.A.R.L.I.E. meant. I explained that this clever name for the synthesized voice repeater was coined by *DXer par excellence* Sam Canter, W6TSQ, because it sounded like Charlie McCarthy, the noted dummy.

After I explained how "Charlie" functions, my guest looked at me in disbelief. He said: "I thought that your club was too sophisticated to allow random DX announcements." Shortly thereafter, it was announced on the repeater that PacketCluster™ postings would be filtered to present only DX reported from Northern California—an improvement, but no cigar—which brings me to the point of this article.

In April or May, 1991, members voted to give the automatic DX announcements a "trial run." (Minutes printed in *The DXer* did not mention the vote). That trial run has continued without a challenge. I think that it is time to remove this apparition from 147.36 MHz.

When this experiment began, only interesting, rare, or semi-rare DX announcements were announced as heard. All DX spots emanated from Northern California PacketCluster™ nodes. This was indeed useful. Some say that they wish to continue to receive the more common DX announcements that appear on the system, arguing that "the new DXer needs this information." Nonsense! I am the first to admit that I have obtained much of my DXCC total from announcements on the club repeater. But no real DXer would

announce common countries or countries that they cannot hear! To even consider oneself a DXer, one needs to listen and to dig out the DX. One needs 100 countries just to be able to join the NCDXC, which means that one must have worked at least most of the common countries.

Who says that it is the responsibility of NCDXC to train everyone that wants to work some DX? Does being a new DXer mean that DXCC should be handed to you on a platter? Let's get our repeater back! Let's have good old ragchews about DX. Let's talk about band conditions of the moment. Let's talk about DX coming up. Let's have a DXer call out a rare or semi-rare country that he can hear, and if someone wants to ask a question on the repeater, let's have someone that can respond to that question..

Over half of all club members can't stand to listen to the club repeater and keep it turned off because of "Charlie." Let's not just wait for the Thursday Night NCDXC Net to be brought up to date on DX activity. Let's renew the camaraderie of years past for which this club was noted.

The damage has been done, but it is not too late to undo it. It won't happen overnight but the club can recover from the near-loss of one of its greatest assets: the Club repeater. What will it take? Your verbal input to club officers and fellow DXers. I like PacketCluster™: I think it's great! I enjoy using my packet rig and if someone is really hot for it, he or she can get a packet rig also.



Ignorance

The reason there is so much ignorance is that those who have it are so eager to share it.

—unknown

Who cares what you think? *The DXer* does!

The DXer seeks op-ed pieces—such as WB6WKM's piece on "Charlie" in this issue—from NCDXC members, on any subject related to DXing.

Do you have an opinion about *PacketCluster™*—who doesn't? Does pileup behavior ring your bell? Do you harbor dark thoughts about DX contests, RTTY vs. AMTOR, or your QSL bureau? Did a Lew McCoy product review trigger a strong demurrer? Do you find it less than satisfying to sound off only to two buddies over a beer? Here is your chance to sound off to 400 people!

The ground rules are simple: organize your thoughts, state your premise, get to the point, and get out. Several hundred words should suffice. No personal attacks, no non-ham politics, no religion (DXing is *not* a religion; it's *not!*)

Please send your offering on disk—I can read nearly any PC or Mac word processor file or any text file—or via packet or modem. I will try to preserve your style but reserve the right to edit for clarity

A Swap Shop in *The DXer*?

A popular feature of the Thursday evening on-the-air club meeting on W6TI is the Swap Shop, skilfully conducted by Ben, W6FDU. Unfortunately, many members outside the Bay Area cannot hear W6TI and so cannot readily participate. This limits the market for Swap Shop offerings.

Do you think a monthly Swap Shop in the pages of *The DXer* would be a good idea? 400 DXers would see your ad!

Share your opinion with the Editor. If this turns out to be a popular idea, we might even get Ben to participate!

Point and Counterpoint

Should 9BDXCC Lowband Rules be Relaxed?

In the October DXer, Chuck, AA6G, discussed the Club's 9-Band DXCC annual submission. Garry, NI6T, sent a letter with his update application, suggesting some rules changes. Excerpts from his letter—and Chuck's response—follow.

NI6T: The cutoff between increments of 50 and increments of 10 for tag purposes should not be the same for all bands. For nearly everyone, there is a *big* difference in difficulty between 80 and 160m and the rest of the bands! It would be reasonable to establish lower thresholds for the 10-country tags for these bands.

For 80m, I suggest 150 as the changeover point, and 100 for 160. Working 150 countries on 80 or 100 on 160 is a challenge that far surpasses working 250 countries on 20 or 15m! (ARRL does not even issue single-band DXCC for 20m or 15m.) These changes would enable 9-banders to put a few stickers on the plaque on two bands for which more than one or two are now extremely unlikely...

AA6G: ...The award was designed to be a challenge and a long-term project for all stations big and small. It's not supposed to be something that you spend a few years on and finish! I expect that most people will never be able to finish it, but rather it should provide a continuing challenge for however long you decide to pursue DXing.

80m is not the DXing frontier that it was 20 years ago. People now have beams and KW's and are working all sorts of rare DX once considered impossible. 200 countries on 80m is no big deal anymore for a good station and 300 does not seem to be out of the question...160m is still on the DXing frontier. But who's to say that will be true in another 20 years?

...If you have a good enough station, 80m and 160m may not be as impossible as they seem now. And that is also another point of the 9BDXCC: to encourage those who are able to explore the limits of those bands. I am not in favor of making *any* changes



How to Run a Good DXpedition

by John Kanode, N4MM

There have been a lot of DXpeditions in the past few years, many plagued with less than desirable operating practices. Some have found it necessary to spread the pileup over large parts of the band, causing interference to other stations not engaged in trying to work the DX. Poor choice of transmit frequencies has been another problem. In most cases, fights break out on top of the DXpedition transmit frequency.

The recent KH1/Howland Island DXpedition avoided most of these problems. Why? They took time to do some advance planning in this area. One of the things that helps to reduce the early "I have to work them now" frustration is to have two or more transmitters come on the air at the start. The pileup is spread out over two or more bands and the level of frustration is less. Keeping three and

four rigs on the air on different bands and modes at the same time is a big help in lowering this frustration level. Once you have a good clean QSO with the DX station, people tend to settle down and not be so aggressive.

Using the new bands, which this group did well, helped keep the frustration level down. Another thing they did was to spread the pile up over only 10 to 20 kHz, not 50 or 100 kHz as some other groups have done in the past. They tried to work the bands by propagation areas and this helped the areas that did not have long windows of propagation to make contact with the DXpedition.

They kept the three or four stations on 24 hours a day and this helped to make the operation a success from both standpoints. I am sure these fellows will put together a good slide/talk presentation and show it at some of the major conventions this year. If you are at one of these conventions in 1993, go see it.

from the March '93 Foundation for Amateur Radio "Auto-Call"—Ethel Smith, K4LMB,

OH2BH Logs on Compuserve

Martti Laine, OH2BH, has just completed uploading all his DXpedition logs into the "OH2BH Forum" section on Compuserve.

The massive database will allow users to search Martti's logs—to find out who worked any particular DXpedition and who didn't. According to calculations done by Martti's computer, a search of all logs limited to 20-meter SSB under the callsign W8AH would produce a printout nearly 500 feet long (it would also run up one whale of a phone bill, even at 2400 baud—ed.)

from 'The Clod Harris DX Bulletin, Special Hamvention Edition'—an anonymously produced flyer that was passed out at the Dayton Hamvention.

DXer Profiles

A New Feature Column

Garry Shapiro, NI6T

Sam, W6TSQ, and Ted, KA6W, among others, have suggested profiling members whose achievements and/or experiences—in DXing and elsewhere—would be of interest to the rest of us. *Great idea!* And who better to do the profiling than the member’s friend(s)? Your buddy contributed to the development of SSB in the ‘fifties? Was the first to discover a previously unknown VHF propagation mode? Was involved in emergency communications during major disasters? Has quietly worked for years with physically-challenged kids? Served five times as mayor of his or her town? Has gone on thirty DXpeditions?

I would like to hear about it, and so would a lot of other people! Too often, our members are virtually anonymous outside their inner circle of friends—appearing only as a Roster listing or a burst of CW in an occasional pileup.

The rest of us never learn the “real” story behind what might well be a complex and engaging personality. An example comes immediately to mind.

His friends knew Uncle Vern, W6ERS,

After six issues, your Editor is ready to go out and buy 40 acres of prairie!

Lowband Monitor costs \$24 per year in the U.S. Contact Lance Johnson Digital Graphics, P.O. Box 1047, Elizabeth, CO 80107. The phone number is (303) 646-4630. VISA and MasterCard are accepted.

Recent issues spotlighted lowband monsters WØZV, KYØA, and NØXA, and lots of antenna and DXpedition articles from the lowband perspective. The September issue featured the Battle Creek Special DXpedition antenna for 160-40 meters, a review of the Timewave Technology DSP-9 audio processor, a discussion of 80 meter DXing with N2KK—and three pages of letters! (I hope the proportion of letters will decrease as the publication matures.) I had not seen the Battle Creek Special discussed in print before!

According to KØCS, *The Lowband Monitor* first appeared last Spring—the current issue is the sixth—but until now the newsletter has been very low-profile, the editor quietly gathering support among prominent lowbanders, worldwide. Interested DXers may request a complimentary copy.

as a great intellect and a book-collector *extraordinaire*, but we younger members only learned of this after Vern became a Silent Key. All I knew of him was his trademark “what have I been missing?” on the W6TI repeater. I would have liked to have known him better! How many other members are there—young and old—whose experiences could enrich the rest of us?

Many members think that their own or their friends’ experiences would not be of interest to others, or that their real or imagined lack of writing skills preclude a valuable contribution to *The DXer*. Nonsense! That’s what editors are for!

Write your Profile as best you can. A word processor document on a disk makes my life easier, but if a typewriter is all you have, type away and send it in. If your eyes are weak or you cannot type, ask someone to write it as you speak it, or dictate to a tape recorder. Make it as long or as short as seems appropriate, and send it to NI6T. If you need some help, give him a call.

Bad Language Sometimes Helps

by Ronald Vattimo, KC3PC

One of the things I enjoy most about monthly VE sessions is the chance to talk to new hams taking the tests, as well as some of the seasoned hams among the other VE’s. John Boyce, K3JB, falls into the latter group.

Fifty years ago, in December 1943, John left The States from Maine, stopped at Iceland, then continued to Scotland by air. The pilot’s mistaking the Isle of Man for Scotland should have been a warning as to what was coming.

John was a radio operator aboard a B-17 bomber. Returning from a mission over Germany, his airplane took a hit. The crew nursed the plane back toward England, but the situation worsened along the way. As flames from an engine fire flickered outside, the pilot yelled at John to determine their position and radio it to a shore station quickly, before they ditched. The pilot tried diving to extinguish the fire, but to no avail.

John called one of the British navigation station—called “darkies stations”—but got no answer. Again and again he called, “Hello darkie, this is Kimbolton,” but still received no reply.

Finally his composure slipped and John made reference to deaf “limeys” amid a string of profanity. That did the trick and John managed to send the plane’s position before they ditched.

After their rescue, John met the shore station operator and demanded an explanation for the slowness to answer. The man answered, “I thought you were a German trying to get our position to bomb us. But when you began to curse me, it became obvious you were a Yank.”

Newsletter for Lowband DXers

Garry Shapiro, NI6T

A new publication from Colorado targets serious lowband DXers.

The Lowband Monitor—published monthly by Lance Johnson, KØCS—is a cleanly-formatted twelve-page newsletter on heavy stock, covering all aspects of lowband DXing: DX news, equipment reviews, DX spots, guest columns, and letters. “Since most of us are beyond 40 years of age, we will stay with 12-point type,” states KØCS. Special issues will be published from time to time.



The DXer Contest

Ron Panton, W6VG

Here's one for members (and others) with long memories: the WHOSE CALL IS THAT? Contest!

Just enter the current call next to the previous call. A *free dinner* awaits the member with the most correct answers: that's a prize to sink your teeth into! (Anyone who has received a copy of the *W6VG All-Time NCDXC Members List* is ineligible.) Send your entry—before December 1, 1993—to W6VG, c/o NCDXC, Box 608, Menlo Park, CA 94026-0608.

_____	Former Call	Current Call	_____	Former Call	Current Call
W6GFS	_____	W6NQY	_____	_____	_____
KA6GJW	_____	K6OP	_____	WB6AGP	_____
W6GQA	_____	WB6OZJ	_____	K6AHV	_____
WAGSN	_____	W6PAA	_____	W6AJY	_____
W6HOC	_____	GM3POK	_____	K6ALH	_____
W6HQN	_____	WB6PZO	_____	WB6BWP	_____
WA6HRS	_____	WB6QBJ	_____	W6CBE	_____
KA6HSM	_____	K6QQE	_____	WB6CCV	_____
KB6JK	_____	WA6QQI	_____	W2CHO	_____
W6JKJ	_____	K6RIM	_____	K6CLV	_____
WAØJRB	_____	WA7RKR	_____	K6CQF	_____
WB6JRL	_____	K2RQC	_____	W6CUF	_____
WA6JUD	_____	WA6RRM	_____	WA6CUP	_____
WA6JVD	_____	WB6RWJ	_____	WA6CXK	_____
W6JWD	_____	K6RXZ	_____	WØDAD	_____
N6KB	_____	N6SYP	_____	NØDJJ	_____
WB6KBG	_____	W2TOD	_____	WD6DLK	_____
WN6KBZ	_____	K6TZX	_____	KD6DMA	_____
WA6KCX	_____	W5UHK	_____	WA6DNM	_____
WA1KID	_____	W6ULS	_____	W6DOD	_____
W7KRM	_____	WA6UUS	_____	KL7DTB	_____
W6KWE	_____	W6VUW	_____	WB6DUG	_____
W6LCF	_____	WB6WAV	_____	K6DYQ	_____
W6MHB	_____	W7WVE	_____	W6EYY	_____
W6MVL	_____	WA6WXP	_____	W6ESI	_____
W6MVQ	_____	K6YGS	_____	WB6FCR	_____
K6NH	_____	WA6YXP	_____	WB6FEF	_____
KD6NH	_____	WB6ZHH	_____	WD6FXL	_____
W6NJU	_____				

Twelve Little Volts

ZLIACS *(This ditty is dedicated to newcomers who find it difficult to visualize voltage drops along a conductor.)*

Twelve happy little volts, rushing down the line,
 Crashed into some traveling holes; then there were nine.
 Nine busy little volts, running rather late,
 Took the wrong short-circuit path; then there were eight.
 Eight worried little volts, feeling rather sore,
 Met a pack of savage ohms; then there were four.

Four weary little volts, getting rather blue,
 Tried to jump a valence gap; then there were two.
 Two dog-tired little volts, strength almost gone,
 Tried to light a six-Volt lamp; then there were none.

*from the October '93 Metropolitan ARC (North Little Rock, Arkansas)
 "Marc Barc"—Dora Anna Graziani, NI5D, Editor*

P. O. B O X 6 0 8
M E N L O P A R K, C A
9 4 0 2 6 - 0 6 0 8 U S A

FIRST CLASS

