

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

ARRL Humanitarian Award to W6JZU, GJØKBB! —page 3

VKØIR Smashes Records!

It's over! The biggest DXpedition ever is history and the operators are, at this moment, homeward-bound. A record 80,000 QSO's are in the log, comprising 30,000 unique callsigns. Despite all the doubts about propagation from the end of the earth at the bottom of the solar cycle, Heard Island has plummeted from the top of everyone's Most-Wanted list, as the result of two weeks of intense operation by a well-prepared and highly-motivated operator team.



To be sure, the western two-thirds of North America got the short end of this one—but almost everyone who prepared for the event and who seriously went after the prize gained at least one QSO with that remote and rarely-visited sub-Antarctic island. And many—if not most—did a helluva lot better than that.

Who would have thought they could have pulled it off with such *elán*? When the first try ended in financial disaster—with the boatowner absconding with a staggering sum of money—many thought the team could not recover. Others stepped up to claim the right to the next attempt, and the ensuing squabble threatened to scuttle any subsequent effort. The Deserving gasped when the next plan called for an expenditure of \$320,000, with the participants to kick in \$10,000 *each*, in addition to their travel to the Reunion jumpoff.

But DXpedition leaders KK6EK, KØIR, N6EK and ON6TT were determined to leave no issue unaddressed, and no problem unsolved. Their meticulous planning for

Inside

Minutes	2
Whiskey Shots —KA6W	2
Humanitarian Award —NI6T	3
Treasurer's Report —W6NW	3
A Long Life & a Merry One —WA6AUD	4
Ladder Time —AA6YQ	5
Promote the 50th Anniversary Page	6
DXer of the Year Nominations	6
59/50 —K6III	6

XZ1N: One More Time!

The monthly meeting of the NCDXC will be held Friday, February 14, at the Dunfey Hotel in San Mateo. Socializing and/or dinner commences at 6:30. The meeting is at 8 PM.

Rich Chatelain, K7ZV and/or Tom Schiller, N6BT will offer NCDXC members a first look at the recent CADXA DXpedition to Myanmar. This presentation was originally scheduled for January, but had to be postponed—the ubiquitous flu bug nailed the presenters. Don't miss this second opportunity!

The Dunfey is located on the northwest side of the junction of Freeways 92 and 101 in San Mateo. Take the Delaware St. exit from 92. Monitor W6TI/R on 147.36 for routing assis-

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: Ted Algren, KA6W
 Vice President: Doug Westover, W6JD
 Secretary: Peter Gerba, KN6BI
 Treasurer: Gordon Girton, W6NW
 Director: Eric Swarz, WA6HHQ
 Director: Lloyd Cabral, AA6T
 Director: Al Burnham, K6RIM

The DXer:

Editor: Garry Shapiro, NI6T
 20941 Nez Perce Trail
 Los Gatos, CA 95030
 (408) 353-6068
 (408) 353-1119 (FAX)
 ni6t@scruznet.com

Printing, Mailing: Don Berticvich, KO6GI

DX Ladder: Dave Bernstein, AA6YQ

9-Band Award: John Brand, K6WC

California Award: Ruben Hughes, WA6AHF

Historian/archivist: Ron Pantone, W6VG

Records Manager: Ron Pantone, W6VG

Publications Mgr: Ron Pantone, W6VG

Club Repeater, W6TI/R

Frequency/offset: 147.36 MHz, +

Trustee: Bob Vallio, W6RGG

Comm. Chairman: Eric Swarz, WA6HHQ

Club simplex: 147.54 MHz (suggested)

Thurs. Net QTR: 8 pm local time.

Net Manager: Randy Wright, WB6CUA

DX News: Dave Pugatch, KI6WF

Propagation: Al Lotze, W6RQ

Swap Shop: Ben Deovlet, W6FDU

QSL Information: Mac McHenry, W6BSY

W6TI DX Bulletins:

W6TI Station Trustee Bob Vallio, W6RGG, transmits DX information at 0200 UT every Monday (Sunday evening local time) on both 7.016 and 14.002 MHz.

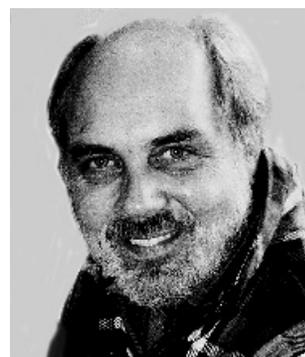
Club address: Box 608
 Menlo Park, CA
 94026-0608

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 publica-

General Meeting

The January general meeting was held on the 10th at the Dunfey Hotel and was called to order at 8 PM.

- Minutes from the December (Christmas) meeting were read and approved.
- Ted noted that both Sam, W6TSQ and Bip, W6BIP are under the weather. All wish them a “get well soon.”
- Gordon, W6NW gave the Treasurer’s report and responded in detail to a request from Knock, K6ITL for information regarding the Treasurer’s activities in general and the Life Membership Account in particular. The Treasurer’s minutes were approved by vote.
- Gordon suggested that the Convention checking account become the Repeater Fund checking account at the close of the Convention. KI6WF moved to approve this action: his motion was seconded by Doug, W6JD and Brad, K6WR and approved by vote.
- Ted, KA6W presented a Convention up-date and introduced Craig, W6WL as our Convention Program Chairman. Craig discussed, in detail, his ideas for possible Convention programs. A lively exchange of ideas took place.
- John, K6WC—our 9 Band DXCC manager—presented a 9BDXCC plaque to



to page 5

Whiskey Shots

Proud? You Bet!

In another part of this *DXer*, you will find an article describing the recent exploits of our own Dr. Smithwick, W6JZU (Smitty to us all). Hold out your chest, Smitty, and show those pearly whites. We are all so very, very proud that you have been selected to receive the 1996 ARRL Humanitarian Award. *Hurrah!*

VKØIR

The record-setting Heard Island DXpedition team is now homeward bound. So much for all the predictions about bad band conditions, low sunspots and general doom-’n’-gloom results. If you didn’t Q them, you didn’t call them! Take a close look at the numbers the team posted! How about that Internet Callsign Server and the International Support Team?

We should all be proud that two of our NCDXC members—Bob, N6EK and Bob, KK6EK—were sparkplugs that helped make it happen. I was able to QSO VKØIR on all the bands/modes where I called—for that I am happy. My only regret is that I was not able to be on the island with them during those two historic weeks. Great show, guys!

DX Convention

We can hardly wait to see the VKØIR presentation at the International DX Convention in Fresno. It really *is* going to be the place to be in April. Your Convention Committee is diligently working to provide a great show—have you sent your Pre-Registration to Gordon, W6NW? Come on.—*just do it!*

—Ted Algren, KA6W, President



ARRL Humanitarian Award to W6JZU, GJØK-BB!

In last month's *DXer*, we alerted our readers that the February *QST* would feature an article on MediShare International by Tom McShane, NW6P. MediShare International was founded by Dr. "Smitty" Smithwick, W6JZU, and Ken Kirk-Bayley, GJØKKB as the result of a chance on-the-air meeting in 1989. The organization has since grown into a worldwide network which has performed its good works in such disparate locations as Rwanda, Chernobyl, Kenya, Liberia, and Honduras.



On January 18, the ARRL Board of Directors formally recognized the efforts of the founders of the organization. Pursuant to a resolution offered by Brad Wyatt, K6WR, "Smitty" and Ken have been awarded the ARRL International Humanitarian Award for 1996.

The NCDXC Board of Directors and membership and *The DXer* congratulate Smitty and Ken on this serendipitous occasion. They in turn thank the many medical professionals and amateur radio operators who have enabled MediShare International to do its work to alleviate human suffering.

Way to go, Smitty and Ken—and Tom, for bringing the story to the amateur com-

Treasurer's Report

January, 1997

<i>Income:</i>	
Dues	\$31.00
Badge(s)	28.00
9BDXCC	<u>141.00</u>
Total Income	\$200.00

<i>Expenses:</i>	
DXer	
Copy Cost	\$227.85
Postage	32.00
Repeater telephone	61.58
State of California	10.00
Roster	678.11
KA6W	67.88
W6NW	5.30
Badges	<u>23.82</u>
Total Expenses	\$1106.54

<i>CD</i>	
Life Membership	9825.09
1st Nationwide Bank 5.6%	5000.00
Great Western Bank 6%	\$10675.41

<i>Checking (B of A):</i>	
DX Convention	\$3500.00
Chb	<u>8936.99</u>
Total Cash	\$37937.49

<i>Club Members as of 1/22/97</i>	
Charter	3
Honorary	10
Life	32
Family 6x2	12
Associate	5
Absentee	24
Full	<u>230</u>
Total	316

—Gordon Girton, W6NW, Treasurer



ARRL Board Resolution

On motion of Mr. Wyatt, seconded by Mr. Gordon, it was VOTED unanimously that the following resolution is ADOPTED:

WHEREAS, the Medical Amateur Radio Council (MARCO) was formed in 1965 to promote good will, fellowship and public service worldwide, and is comprised of radio amateurs who are health professionals; and

WHEREAS, MediShare International is a MARCO program that provides medical equipment, instruments, supplies, technical information and trained professionals who volunteer to work in hospitals and clinics in third-world and disaster areas; and

WHEREAS, MediShare International was born of a chance on-the-air meeting between Dr. "Smitty" Smithwick, W6JZU, and Ken Kirk-Bayley, GJØKKB, on the Isle of Jersey, that resulted in the procurement and delivery of urgently-needed medical equipment for the operating room of a tiny Rwandan hospital;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the American Radio Relay League, convened in Annual session, hereby confer upon Dr. Robert C. Smithwick, W6JZU, and Mr. Ken Kirk-Bayley, GJØKKB, co-founders of MediShare International, the ARRL International Humanitarian Award for 1996, on this day, January 18, 1997, in Albuquerque, New Mexico.

A Long Life and a Merry One for DX-ers

One of the QRPer came up the hill in January during that cold spell, willing to endure the elements to get some answers. Later, we were to think that it might have been better if he had stayed home.

Always, QRpers are the ones who just have to know *now!* “Did you see that article in the January *DXer*?” he asked, and we acknowledged that we had. We had read the issue from front to back, but we needed more specifics. “The one about Life Membership and the opportunity not to have to remember to pay annual dues, that one!” The QRPer was specific, actually most vehemently specific.

Of course we had read it. We already have a few life memberships ourselves, as we most profoundly advised this QRPer. We had our pride and we had our life memberships. We counted them off—the ARRL for some thirty years, the NRA for some sixty years, the VFW for some twenty years, the Polish DX Club for about 25 years, the Tri-City DX Club for another 25 years and possibly a few more that we did not immediately remember. Life memberships are good things to have. At least, we had thought so until this QRPer showed, and had shown, as we were quickly to learn, with more questions than we had answers.

But, with our reply, the QRPer was looking at us as if we had suddenly sprouted a third eye in our forehead. “You have life memberships in all of those?” was his incredulous reaction, “but why? Don’t you ever know what you are doing?” We had long thought that we did know, but now we were not so sure. The QRPer helped with the confusion. He was ready—his copy of *The DXer* in hand.

“Tell me something,” this one started off as though he were laying the foundation for a court case, “tell me how they figure those rates. \$660 for a life membership

for a club member less than 35 years old. Who makes those decisions?” We thought that this would be an easy one. “These are usually based on actuarial tables,” was our first reply. “You know: they are based on a mathematical calculation of how long one at a certain age can be expected to live. Like the weather reports, the more records you feed into your database, the better forecasts you can pull out. It is a widely-used system and I am sure that you have encountered it before. Right?”

Wrong. The QRPer was not there to speculate on the odds of what might happen; he had a different approach. It was an interesting and learning experience, and you can believe that! “In other words,” the QRPer continued, “if you are under 35 years of age and you are interested in a life membership, those in the know apparently expect you to live only to the age of 61 or so. Isn’t that what that *DXer* article says?”

We checked the figures, dividing the cost of a life membership at 35 years

with the annual dues rate and the QRPer was right. The amount paid would pay your dues for 26 years. Maybe they *did* anticipate that you would only live until 61 years. We did not recall any mention of refunds, should one not get the full measure of life membership. And certainly the club was not planning to lose money. Not at all.

All of this was news to us and more. “But if you are 55 or younger,” the QRPer continued, the note of a hard edge showing in his voice, “they say that you will live until 71 years of age. In other words, the older you are, the longer you are expected to live, right?” What could



we say? There were the figures and you can figure things yourself. Maybe this QRPer was on to something! We were braced for some more figures but instead we got another question.

“Have you ever wondered why there are so many old DXers,” the QRPer asked, “and aren’t pants baggy in the seat mostly the often-observed distinguishing mark of a DXer? Is that not so?” We had to admit that the picture fit. Old DXers do tend to wear pants with the seat cut knee-length. But how does that prove anything? We posed that question, and received a quick answer. “I checked around,” the QRPer continued, “and I found that Life Membership is a relatively recent option for the club. I also learned that a lot of the older DXers were in the club long before the idea was adopted.”

The QRPer paused: that look in his eyes did not make us feel more comfortable; he had some slings yet to be flung. “And don’t you think that old DXers tend to have a better knowledge of DXing and all things related to DXing? They mostly have worked everything, heard everything and know and have ready answers for every

to next page

thing. In short, Old DXers are in the know, right?" Of course all of this was right. "Let there be no doubt," we were trying to say when the QRPer held up a hand. "One more point," he said, and we nodded our head—it saved us from further thinking.

"So," the QRPer continued, "the older DXers did not have Life Membership in the past, right? And if they did not or could not buy a life membership, they thus moved into a longer longevity category, such as a 75 year-old member receiving an implied promise of reaching 81, and an 80 year-old member given the anticipation of living to almost 85. So is it a better deal for a DXer at 35 to take the offer of living to a calculated 61 years of age or the one that aims to get you to the age of 85 or 90 years of age? Furthermore," the QRPer rattled on, "you surely have been smart enough to recognize how much more rare DX or new countries you can work with a membership program to take you to the age of 90 years than with one washing you out at 61. And just tell me how only working DX until you are 61 is such a great deal. Tell me!"

How could we tell anything when we were impaled on the postulate? Later we were to learn that this meant that the

QRPer was advancing a hypothesis as a premise of a train of reasoning. When we learned that, we really did feel better. But we still could not explain how working DX just until one is 61 years of age is any bargain. We tried, but we couldn't. The QRPer just sat there—his pad with the figures in his hand—and waited for our reply. Getting none, he finally just stood up, gave a derisive "Ha!" and he was gone.

We were left confused and without the comfort of even knowing a hint of an answer. Maybe there was something there that we were missing, but if you could get a life membership at age 85 which was based on the expectation that you would live to about ninety, why buy a life membership when you were younger? The bottom line says that the longer you wait, the longer your life expectancy will be. And who could be happy about an early entry and a short life? No one we could think of.

The problem does need some thinking. Maybe we missed something along the road to The Temple of DX Serenity. Or maybe a Life Membership is like a *Croix de DX*. They give it a number and one can be proud of his low number and possibly the ribbon of the *Croix de DX* that would flash across one's bosom when worn at the

monthly DX gatherings of State.

There are questions here which we admittedly cannot answer. We need help from those in the know. But how about that *Croix de DX Award*? Wouldn't that be something? Something even better than a sticker for your DXCC certificate. Perhaps the next time one of these QRPer's comes racing up the hill bubbling with questions, we will test the waters by heading them in that direction. And something like this certainly will be more enjoyable than talking about long life, happiness and how

from page 2

Meeting Minutes

John, KG6I and read a list of endorsement recipients.

- Ted reminded that it was time to consider nominations for DXer of the Year and announced that Tom, NW6P will chair the award committee.
- The proposal to combine club contest scores was discussed. The NCDXC and the Northern California Contest Club would oppose the SCDXC and the Southern California Contest Club.
- Ted announced the search for a new *DXer* Editor and reminded all what a great job Garry, NI6T has done during his tenure.
- Dave, KI6WF reminded members holding new callsigns who use the QSL Bureau to send envelopes for both new and old calls.
- Dave Earnest, K7JJ was voted into Full membership. Dave holds an Extra, and has 300+ (Mixed) confirmed. Many have worked Dave as W7YBI, KØBQE, KA2RB/KA2ZZ, W6HUQ, KS6DY (Pago Pago), W7KJJ and HZ1AB. Dave works for NASA and lives in Morgan Hill. He was sponsored by W6TEX and KN6BI.
- Due to sudden illness, Tom Schiller, N6BT was unable to present his scheduled talk. Brad Wyatt, K6WR filled in on very short notice. Brad spoke of the current frequency wars and the need to help fund the ARRL's fight to save our bands.

The meeting adjourned at 10:15 PM.

Ladder Time!

It's time to submit your Ladder updates! Please send them to Dave Bernstein, AA6YQ by March 15 for inclusion in the April *DXer*.

The Ladder is the member's record of DX achievements and is updated and published semiannually. Please submit totals for *confirmed* countries only. For the DX Ladder, your submission should include your current total countries by mode—mixed, phone, CW, and RTTY, and by band—160m to 6m, including the WARC bands. Include deleted countries in these totals.

Also list *confirmed* current Honor Roll country totals by mode—mixed, phone, and CW. For the WAZ Ladder, your submission should include: total zones by mode—mixed, phone, and CW; 5BWAZ—your totals on 80m, 40m, 20m, 15m, and 10m; WARC zones—your totals on 30m, 17m, and 12m; 160m zones; 6m zones.

You can submit your update via a PacketCluster mail message or snail mail to AA6YQ, or an Internet mail message to dhb@rational.com. To maintain your listing, you must submit an update at least once every 5 years.

—Dave Bernstein, AA6YQ

DXer of the Year Nominations

It is once again time to nominate the DXer of the Year.

Eligibility

The award is based upon consistent and active participation in DX and club activities during the preceding *three years*.

Only voting members who have been club members for at least three years are eligible.

No person may receive the award more than once every three years.

Selection Criteria

1. Cooperation and assistance with DX efforts, such as: maintaining liaison with or coordinating DXpeditions; participating in DXpeditions and; helping other members to work DX.
2. Must have high standards of operating practices and ethics. Compliance with FCC regulations; exhibition of fair play, sportsmanship and good operating practices at all times. Use of ethical practices in working new countries, and obtaining QSL cards.
3. Participation in club activities. Service as officer or director, *DXer* editor, or other club appointments, participation in DX contests with scores contributed to the NCDXC, support of the club repeater, attendance at club meetings and repeater meetings, service on committees, or bringing in new members.
4. Achievements. Winning, or placing high in major contests, winner of awards, such as 5BDXCC, Honor Roll, etc. Amateur radio appointments, service to the public in emergencies, promoting international goodwill. Assistance to potential or new amateurs, conduct of training programs.

All nominations shall be in written form and submitted to Tom McShane, NW6P, Chairman of the DXer of the Year Award Committee, no later than March 1, 1997. The award will be presented at the International DX Convention in Fresno.

59/50...

“Hi Mac, thanks for the call. You’re 59-50 here in San Jose. Nice to hear you on the repeater again.” And so it goes, time and again, as NCDXCers strive to make the required 50 member-contacts on the W6TI repeater (147.36+, PL 110.9). This activity began October 10—the beginning of the NCDXC 50th anniversary year. I don’t know whose brainchild this is (*AA6G’s—Ed.*), but it has been a lot of fun and sure has stimulated activity on the repeater.

A great many members have come out of the woodwork to exchange “50” contacts and become reacquainted. It seems that since “Charlie” has taken over the chore of announcing DX for the Deserving, many members no longer feel the need or obligation to get on the repeater to call out the DX. Remember some 20 years ago when one would frequently hear Rubin comment “Who needs it?” Now you might occasionally hear him say, “When’s he gonna get on rittlely-tittley?” But, with the “/50” action and the VKØIR DXpedition, activity on the repeater has been at an all-time high.

What’s that you say? You don’t think there *are* 50 NCDXCers out there on the repeater? Think again! Several members have achieved the requisite 50 and have gone on to work another 50 (and more). These high-scorers are playing their cards close to the chest and won’t say exactly how many they have contacted; only that they have more than 100. Known to have made the NCDXC-CC are K6LQA, KI6WF and K6III. Others are closing in rapidly on the 100-mark—how about you? Are you missing out on the fun and action?

Remember—these 50 contacts on the repeater are just part of the requirements for the NCDXC 50th Anniversary Award. (See the December *DXer* for the updated rules.)

I invite you to get on the repeater and make those contacts—and be sure to contact *me!* I think that—with just a few more—I can surge ahead of Bill, K6LQA!

—Jerry Bliss, K6III

Promote the Anniversary Web Page!

An important component of the NCDXC’s 50th Anniversary celebration is the 50th Anniversary Certificate for DX stations. The information is on the Web page created and maintained by Chuck, AA6G—but we need to point more DX stations to it. More informed DX stations will mean more action for club members and for those using the W6TI club callsign—and more certificates earned.

One way to point DX stations to the Anniversary page is to put its URL—<http://www.aa6g.org/ncdxc50.html>—and a statement in your *signature file*. The signature file is a text file you write, containing the footer-like information you often see appended to e-mail messages.

Your e-mail program probably has a setup option for including a signature file in your e-mail messages. First, create the text file, then point your e-mail program to it. In Netscape *Navigator 3.0* for Macintosh, for example, look in the Options menu for Mail and News Preferences/Identity.

Many e-mail/web browser programs also automatically recognize and highlight a URL embedded within a signature file. This enables the recipient to click on the URL and be immediately hot-linked to that address.



from page 1

VKØIR Smashes Records

28 months, and the delegation of responsibility to individual team members ensured the viability of this complex operation.

And complex it was: 30 tons of material to be offloaded to the island; a small city to be erected and then disassembled and removed to the last scrap after two weeks; life support and creature comforts for 20 people. And the most elaborate DXpedition radio setup ever assembled.

The Easter Island/Sálas y Gomez DXpedition had provided dry runs for many of the innovative techniques and procedures eventually to be employed at Heard. The use of Web pages, satellite links, call-sign lookups, email Reflectors, two stations on a band, and pilot stations—some previously tried by others, some invented for Heard—helped ensure a constant flow of timely information, both ways, and kept



of the planning, the voyage, the setup, the operation and the departure, there is the question of *money*. It's pretty simple—those 80,000 QSO's cost about \$4 each, and someone has to pay for the fun we have all had. Theoretically, it should be we, the audience, who pay for most of the show. The operators' ante—\$200,000—represents \$2.50 per QSO: that is a helluva subsidy for *our* good times.

excitement at a fever pitch.

The team itself was a marvelous synergy of skills—computer gurus, doctors, demon operators, organizers, antenna fanatics, mechanics, cooks. And, remarkably, a uniquely successful blend of personalities—everyone

I know from personal experience that many of the “Deserving,” having had their fun, will be content to send their QSL's with not even enough to cover the cost of the DX cards, much less enough to help defray the immense cost of this DXpedition. I wonder about the mental processes of such people. I am confident that *our* membership—knowledgeable DXers all—will be proud to assume a piece of the financial burden, if they have not done so already. Do send an appropriate donation with the cards; do buy a mug and a tee shirt. Buy the book that Bob Schmieler will surely write, and which will surely be worth the price.



got along!

And the antennas! Foursquares on the low bands, with backup antennas to boot! A foursquare on 160 meters—it boggles the mind. The results are staggering: among other stats are 1200 QSO's on Top Band, and 2000 on RTTY.

And now, after the euphoria

The 1997 Heard Island DXpedition has redefined top-end DXpeditioning, and provided techniques that will be utilized by every important DXpedition to follow. *The DXer* celebrates and congratulates the Heard Island team and welcomes them home.

Central North America contacts

Mode	SAT	10	12	15	17	20	30	40	80	160	Total
CW	0	0	0	324	104	1014	570	929	94	15	3050
SSB	0	0	0	173	394	1640	0	229	101	0	2537
RTTY	0	0	0	0	0	250	0	0	0	0	250
Total	0	0	0	497	498	2904	570	1158	195	15	5837

Western North America contacts

Mode	SAT	10	12	15	17	20	30	40	80	160	Total
CW	1	0	0	14	40	828	230	1093	145	16	2367
SSB	0	0	0	28	51	1143	0	244	202	0	1668
RTTY	0	0	0	0	0	122	0	0	0	0	122
Total	1	0	0	42	91	2093	230	1337	347	16	4157

Australia/New Zealand contacts

Mode	SAT	10	12	15	17	20	30	40	80	160	Total
CW	1	1	1	15	30	126	32	23	18	6	253
SSB	4	3	1	23	31	325	0	21	39	0	447
RTTY	0	0	0	0	0	13	0	0	0	0	13
Total	5	4	2	38	61	464	32	44	57	6	713

Other contacts

Mode	SAT	10	12	15	17	20	30	40	80	160	Total
CW	2	8	21	208	200	608	258	457	142	58	1962
SSB	35	9	19	228	245	1591	0	298	174	0	2599
RTTY	0	0	0	0	0	86	0	0	0	0	86
Total	37	17	40	436	445	2285	258	755	316	58	4647



Pre-Reg Reminder

Have you returned your pre-registration for the 1997 International DX Convention? You'll save \$5 by preregistering and get an extra raffle ticket. Dig yours out of the pile of mail on your desk and send it off right away to W6NW with your check for \$60.

Pre-reg deadline is March

F I R S T
C L A S S

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
