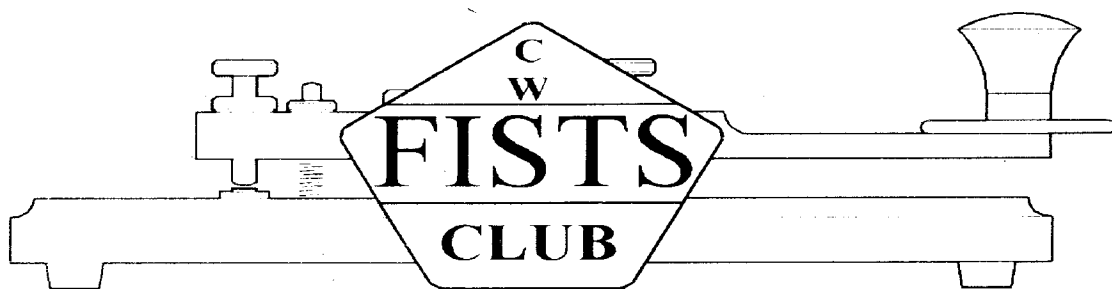


# The Keynote

Newsletter of FISTS CW Club, the active chapter of the  
International Morse Preservation Society

"Accuracy Transcends Speed"



- Further the use of CW
- Encourage newcomers to use CW
- Engender friendships among members

"When You've Worked A FISTS , You've Worked A Friend"

# *NORTH* KEYNOTE *AMERICAN*

**Slow Traffic Net:** Tuesday & Thursday 9pm EST on 3.682

**Century Award Net:** Sunday 2000Z on 14.058MHz

**Slow Ragchewing Group:** W8B1 8pm EST Wed on 3.720

**Saturday QSO Groups:** 14.058 at 2000Z and 7.058 at 2300Z

**Please keep watch on the Novice Bands and frequencies ending in .x58 (.058, .158, .258 etc)**

**Accuracy Transcends Speed**

**Courtesy At All Times**

Hello FISTS! I hope you had a terrific holiday season and things are getting back to the old routine for you. I still have my Christmas tree up, but taking it down is the next thing on the agenda after the Keynote gets to the printer. I really hate to take it down, I spent three evenings putting the lights on. Instead of stringing them around the tree in a circular fashion, I went wrapped each branch separately. It took forever, but looked wonderful because you couldn't see the wire from the light strands. I have the feeling it's going to take me at least three days to remove them, too.

Geo took a break this month and didn't write a KeyNote, so I took advantage of having the extra room by including a membership roster. The roster includes both the DX and North American FISTS and runs ten pages, so I had to cut back on the regular text of the newsletter. I have a whole pile of letters and info to include, but it will have to wait until the next issue. Sorry if I told you that something you sent to me would be in this issue - I just couldn't fit it all in.

Of course, the minute the list is published, it's obsolete because we're growing so quickly, but I hope it's a help to you. Please make a note of the callsigns in the 'corrections' and 'call changes' column on page 3 and make the necessary corrections on the list, which was printed before some of the corrections could be made. Thanks to Ed N7CFA for the work he puts into making and maintaining this list for FISTS!

We're starting out 1998 with a passing of the Awards Manager torch from Lee, N9NVV, to Joe, N3BHL. Lee has been our NAFAM for a few years now, and he thought it was time to give someone else an opportunity to get involved in the group - as well as give him some time to get on the air. Lee is still active in FISTS, he's donating the space for our popular Web page. I'm sure you join me in thanking Lee for all his work over the years. He was a terrific help in my keeping my sanity when we had the Century Rules Revision Revolt!

Please be patient while we make the paperwork transition from Lee to Joe. Joe's address is on the inside cover "How Do I..." list. Many thanks to Joe for agreeing to take over this very important FISTS appointment!

Send your logs for the Basic Century, QRP Century, WAS, and WAS/QRP to Joe. If you are claiming the Gold, Diamond or Platinum award, send your logs directly to England. Those awards are issued directly from England, so please include sufficient return postage for the certificate from England.

Randy, K8EZ, who took care of making and distributing the FISTS Club Presentation packages has decided to get out of the ham radio hobby and even sell his equipment. If anyone would be interested in taking over this job, please let me know. It involves sending out the presentations and sample newsletters to people who request it. It would be handy if you had Email capability, but not necessary. A big Thank You to Randy for designing our Presentation package. Those of you who have used it know what a super professional kit it is! It's resulted in many new FISTS members and has enlightened many people who otherwise wouldn't know about FISTS about the club.

We are sponsoring the Novice Round Up the weekend of Feb 13. It would be great to have this be a success, so please help out by spreading the word - post it on packet, put it in your local club newsletters and repeaters, wherever you think Novices and Techs might be hanging out. The problem really isn't getting people to work the Novice/Techs, it getting the Novice/Techs on the air!

The Century Award Net has been revamped with a rotation Net Control Station setup that includes NCS from different geographic locations in the country. One week out of the month, you should be able to have a NCS hear you - check in and check it out! I've been able to check in the last couple weeks, so hope to see you there! On with your KeyNote....

# Welcome to the New FISTS

TG9ANS	Eliseo	4184	Guatemala	WD6DCG	John	4237	CA
K0RDF	Robert	4185	MO	AA1PD	George	4238	ME
N7FF	Frank	4186	CA (KE6YNR)	WB0QQT	Steve	4239	ME
W4LAN	Lan	4187	IL (WN4BOT)	KC8BDM	Jim	4240	OH
N9FA	Fay	4188	IL (WA1GAG)	KA9EDR	Leo	4241	IN (KB9MZK)
K8JRE	Joe	4189	MI	W4PM	Puck	4242	VA
K8VWP	Steve	4190	MI	K9MIF	Wayne	4243	WI (W6DDB)
K7HLR	Ray	4191	UT	W6MWY	Bob	4244	CA (AC6TO)
KE3CR	Giles	4192	DE	W9HJW	Steve	4245	IL (KG9KK)
K8BVJ	Jack	4193	MI (W4HZD)	WA7THF	Ernie	4246	CA (W3CV)
KC7VAG	Bob	4194	ID (WA7MMG)	K4UFS	Richard	4247	AL
KC7VAI	Victor	4195	ID (WA7MMG)	W7KJ	John	4248	WA
KC8CZI	David	4196	OH (KE1AF)	KF0GE	Earl	4249	MO(K4PTU/KA1KAX)
AI4ED	Ed	4197	FL	KT8Z	Virgil	4250	OH (NE0C)
KC7DXT	Jere	4198	OR (AF9H)	K4JSE	Ray	4251	FL (WD8OCV)
W1JDI	Charles	4199	MA	KC8GOI	Dan	4252	WV (KC8GOJ)
K7CDN	Gene	4200	MY (K7PGL)	KF4WK	Lewis	4253	TN (G3ZQS)
K6TV	Tom	4201	CA	N3BNA	Dale	4254	PA (W5WWW)
VA3BBW	Bruce	4202	ONT (KA2KDJ)	KT3A	Cameron	4255	PA
K4VRT	Jim	4203	FL (AA8PJ)	LU9HU	Hugo	4256	Argentina (WB2FXK)
KB0ROB	Harold	4204	MN (AA0XJ)	KI6DS	Doug	4257	CA (K5FO)
N4XHJ	Dave	4205	GA (NC5S)	WA2LOS	Kevin	4258	NY
AE4QG	Mark	4206	VA	K9HS	Kevin	4259	IL (KB9IWH)
N6XR	Mario	4207	CA	N5UPT	Debbie	4260	TX (AD5X)
K6YR	Rob	4208	CA (W7GB)	N1TP	Tom	4261	FL (webpage)
KB1CCI	Chet	4209	MA	KM5GM	John	4262	OK(W5NKC/WB5NKD)
AC5OC	Dale	4210	AR	KC2CPQ	Bob	4263	NY (W1AAE)
WD5HFI	Jim	4211	LA	WB8NMK	Ron	4264	OH (KB8KIK)
N1MR	Mark	4212	VT	W4VWH	Jarvis	4265	VA
KC7TNT	Joe	4213	AZ	WB8JVF	Herb	4266	OH (KE4LIA)
KC4VEB	Daniel	4214	NC	K5IUO	Bud	4267	TX (WB4VFN)
N2PD	Paul	4215	PA	KA4TBC	Jerry	4268	WA (N7CFA)
KV8X	Al	4216	MI	W4DNZ	Phil	4269	TN (KA5QYR)
KM5CW	Joe	4217	TX	NX8L	Gary	4270	OH (W8DAN)
WB8OZX	Mac	4218	MI	N1YVH	Jim	4271	MA (N2SLR)
N4ONT	Barry	4219	GA	K4ORD	Riley	4272	VA (K4UK)
KF4LMU	Roland	4220	GA (KC8D)	W4UUU	Ed	4273	FL (K5HLR)
KC8FJW	John	4221	MI	N1YK	Perley	4274	ME (K2JY)
KB2WXI	Stuart	4222	NY (KK5GW)	N4KCJ	Danny	4275	TN (K6DF)
KM5BJ	Mark	4223	MS (KC5AFL)	N9WR	Don	4276	WI (WA9PWP)
KB4GQA	Jack	4224	GA (NC5S)	W4RTW	Jack	4277	NC (W4DON)
N4ZZK	Al	4225	GA	KB0NVA	Harry	4278	NE (KB0ZTN)
W5NVK	Ernie	4226	CA (K7FD)	KC7RZA	Carl	4279	OR (AB7RJ)
W3ZVT	Tim	4227	PA	W7TCI	Fred	4280	TX (K8EHE)
AB7TU	Tom	4228	OR (W6DDB)	WB8GRH	Ron	4281	IL (WZ8C)
N6IXZ	Joel	4229	CA (K7ZR)	KE4KKR	Ed	4282	NC (W4DON)
KA7PMD	Steve	4230	WA (N3RSD)	KD4URC	Richard	4283	FL
N3ENB	Swede	4231	AZ (KB3AVS)	K5IHV	L.C.	4284	TX (KA4IFF)
K3BP	Ben	4232	MD (K5HLR)	N4ST	Jim	4285	VA (webpage)
KE6WAR	Richard	4233	CA (KC7QOP)	WB5TTW	Jerry	4286	TX (W7MAP)
WM4U	Pete	4234	TN	NT8X	Bob	4287	WV (AI9L)
VE7API	Hugo	4235	BC	N0TP	Gary	4288	MO (WB0CFF)
XE2AUB	Benjamin	4236	Mexico	K4IBP	Jack	4289	TN (KS6Z)

W6AWO	Dick	4290	CA	(KB9GKX)
KC8EFP	Bob	4291	OH	(W3RMD)
KE6ZTQ	Rick	4292	CA	(K6TV)
K8BBM	Dave	4293	NE	(Webpage)
NJ4K	Jerry	4294	NC	(AI9L/AF9H)
AA0YQ	Gene	4295		
N0QM	Bob	4296	KS	(W6DDB)
none yet	Hugh	4297	VA	(K5HLR)
WB6FRZ	John	4298	CA	
WB6ZFG	Randy	4299	CA	(W7MXQ)
W8AG Caltalpa	ARS	4300	MI	(WB8BSE)
KB1CGA	Tom	4301	VT	
W0SGC	Steve	4302	CO	(KC5AFL)
AA0IB	Tom	4303	MO	(K5DMC)
W7OJT	Dave	4304	NV	(N6RNP)
WA6IQM	Ken	4305	CA	(W6GG)
KE6FFF	Gene	4306	CA	(W6DDB)
K9GBD	Clyde	4307	CO	
WA9CW	Leo	4308	IL	(KB8ZVD)
WA4LDQ	Bob	4309	NC	(K4AHM)
KK5E	Russ	4310	TX	(AF5Z)
KE9B	Fred	4311	IN	(K8LEN)
N3SVK	Jerry	4312	PA	(N30N)
KB5RCF	David	4313	TX	(N5YFC)
KL7VIC	Victor	4314	AK	(WA0RSX)
AE4GH	Philip	4315	KY	(AI9L/AF9H)
W8OKV	Aubrey	4316	MI	(KB8NTE)
W1JAS	Joe	4317	CT	
KF4BOU	Chris	4318	VA	(W4GEO)
HP1AC	Cam	4319	Panama	(AI9L)
N3ZPQ	Frank	4320	MD	
KB2FJH	Pat	4321	NY	(N2PD)
KI8AF	Gregory	4322	MI	(K3WWP)
N8LDY	Chuck	4323	MI	(webpage)
no call yet	Lafayette	4324	ID	(K5HLR)
K5JHP	Bill	4325	TX	(KK5NA)
W8EUI	Jim	4326	MI	(NE0C)
W8OHC	Bob	4327	OH	(K8UGL)
W5SVU	Tony	4328	MA	(N1YXU)
KJ5OQ	Jim	4329	MS	(KF6GUH)
W8NLQ	Rudy	4330	OH	(W0GV)
KB7PTK	Jason	4331	MT	(K7PGL)
KB7WTK	Carol	4332	MT	(K7PGL)
AA1SK	Kristin	4333	VT	(KB2PLW)
K6EKB	Ed	4334	CA	(N6RNP)
AK9I	Emil	4335	IL	
KF4EIB	Gordon	4336	NC	(AE4IC)
KN8AZN	Fred	4337	NJ	(N3ZGZ)
N0KM	David	4338	CO	
AE0S	Dale	4339	MO	(N3AO)
KK7EW	Gary	4340	UT	(AI9L)
AC9K	Allen	4341	WI	
KB0PCI	Wayne	4342	MN	

## CORRECTIONS

David #4009 is N9VPZ, not N0VPZ.  
John #4144 is WA5KOI, not WA5LOI  
Phil #4135 is W1RFW, not N1RFW

## CALL CHANGES

Bob #3474 was KC5HLO, is now K5EYE.  
Jeff #3100 was VA3JEF, is now VE1JFA  
Kevin #3993 was KF6MBG, is now KQ6TV  
Dwight #2765 was KB9JAI, is now W9YQ  
Herb #3861 was N4UE, is now W3HL  
Richard #1990 was KC7LSO, is now KK7LB  
Jan #3934 was KB0WQT, is now N0QT  
Jim #3562 was KB0RGU, is now N0WE

## CONGRATULATIONS!

...To Dwight **W9YQ** (KB9JAI) #2765 on his upgrade to Extra  
...To Richard **KK7LB** (KC7LSO) #1990 on his upgrade to Advanced!  
...To Jan **N0QT** (KB0WQT) on making Extra!

## WANTED:

### Indecent Language Ham Recordings

One of the goals FISTS member Joe Falcone **N8TI** has during his term as ARRL Great Lakes Director is to take those who use indecent language off the amateur bands. Joe is looking for tape recordings of alleged offenders to use as proof to the FCC that the problem is nationwide.

The tapes have to be of good quality and clearly demonstrate that a violation has taken place. The best way to do this is make a direct connection between your receiver and the tape recorder.

Send the tape to Joe Falcone, 9614 Arden Ave, Livonia MI 48150. Be sure to include information about the transmission - frequency, time, date along with your name and any information you may have of the alleged offender.

## January Photopage Winner

The photopage winner for January 1998 is **WA8BIJ**, Vince. Vince wins a FISTS patch and stickers, just for sending in his photo for our photopages. You can have a chance at being our lucky winner by sending your photo (with your face about the size of a quarter) to Ken **W8ROG** at the address on the inside cover "How Do I..." Photos cannot be resized or returned.

## FISTS 10th Anniversary Special Event

The list below was compiled from the letters, logs, and e-mails that were sent to Nancy, **WZ8C**, after the FISTS 10th Anniversary Special Event. Apologies to anyone who sent in a report and is not included.

This was a fun event and I know that there are many, many stations that participated and are not mentioned here. I had a great time with this and made lots of memorable QSO's. Heard lots of FISTS and non-FISTS members having a wonderful time making new friends during this Special Event.

Rag chewing seemed to be the plan of the day and at the close of the weekend I don't believe there was a loose thread, frayed hem, or ragged edge to be found. Listed alphabetically by call sign.

AC6QO	Claire	1992	A Few!
AI9L	Jess	1772	24
BV2TA	Tony	1884	10
K3WWP	John	2002	21
K4UK	Stan	2934	21
K6DF	Dennis	3076	22
KA1OX	Wayne	2489	12
KB8OOM	Sam	1582	8KB9IWH
Bill	2702	14	
KC5SAM	Virginia	2911	5
KC8D	Dennis	3132	3
KD6VMY	Ernie	3476	26
KE6YNR	Tony	3535	25
KF6GUH	Becky	2961	10
KQ6ES	John	2406	18
KT4YY	Roger	2418	9
N2WG	Bill	3657	4
N4GD	Gerald	1019	65
N7CFA	Ed	1402	28
NP4FW	Hector	2531	39
W1FHP	Bob	2943	22
W1ZZL	Bob	3605	1
W3DV	Scott	1975	13
W4JTU	Bert	1999	23
W6AR	Dwight	3436	3
W7GB	Don	2108	18
W8PBO	Art	866	A Bunch!
WA5Y	Russ	1721	20
WA8BIJ	Vince	905	13
WA9PWP	Paul	2153	26

Special Event Soap Box It was fun being the object of a pile-up. (Art W8PBO) Had a blast, worked 15 meters, lots of action on the band. (Becky KF6GUH/FSE) Conditions were great with most RST at 599. (Roger KT4YY) All fun QSO's. Some quite long winded. (Bert

W4JTU) Seven of my eight contacts were made in the Novice bands. (Sam KB8OOM) I could not devote full time to our special event as the coast line of Calif. made WX history . . . we had a hurricane heading for San Diego. (Ernie KD6VMY) I worked six stations on Novice band but no Novices. (Jess AI9L) I may have set a record for the fewest QSO's during the FISTS special event weekend, (1). (Bob W1ZZL) Near the end of the special event I had a QSO with non-FISTER, Randy, KS4L, and he asked if I'd be his sponsor. (Don W7GB) That is the first CW special event I have ever participated in. It was great fun. (Virginia KC5SAM) I concentrated my work in the novice band, my first time there in awhile. It was fun. (Bill N2WG) Can we come up with an excuse to do this again sometime? (John K3WWP) I agree with John, K3WWP. Let's do this again sometime soon! Thanks to all who sent in logs, letters, e-mails and comments. Dennis K6DF

## NOVICE ROUNDUP

Novice Round-Up, sponsored by FISTS CW Club will be held starting Friday Feb 13 at 1700 UTC to Monday Feb 16 2400 UTC.

Novice/Tech stations get points for working anyone. Above Tech get points only for working Novice/Tech stations. No repeater contacts.

Count 2 points for CW and 1 point for Phone. Exchange: Call Sign, Name, RST, License Class, QTH. Total of 50 multipliers, one for each state worked.

Score = (number of CW QSO's times 2, plus the number of Phone QSO's), times number of multipliers worked.

Certificates to the winners and the top scoring Novice and Non-Novice will get a one year free membership in FISTS CW Club.

Send Logs and summary sheets and check sheets to: NOVICE ROUND-UP, c/o Dennis Franklin K6DF, 4658 Capitan Dr., Fremont, CA., 94536-5448, postmarked no later than March 16, 1998.

We need your help to spread the word about our Novice Round-Up! Please put the information in your local club newsletters, talk to the Novice/Techs you know (or haven't had the chance to introduce yourself to yet) - invite them to your shack to get their feet wet in the Round-Up.

**BE AN ELMER - IT'S A GOOD THING!**

## QRP With John Shannon K3WWP

A couple of issues ago I asked you to tell me about your most memorable QRP QSO, and I would tell you about mine. It's very hard to decide on just one.

I guess when you work the last of something, like the 50th state - or the first of something, like the 1st Asia QSO - those are ones that stick in our minds.

I remember working **4Z4DX** on 30M one evening for my first ever QSO with Asia, and my last continent. Another Asian QSO sticks in my mind - the first time I ever worked Japan. Here is the country with the most amateurs in the world, and I just couldn't work it, mainly because of the difficult path that passes through the auroral zone. Finally in the CQ WW DX contest in 1996, I made it. What a thrill to have **JA3ZOH** come back to me, and getting his QSL in just a couple of weeks. First QSO's on a particular band are also memorable. I remember well working **K3KLC** on 160M. I never thought you could do anything with QRP on that band, but I was wrong. I now have 40 states there. I also remember my first QSO on 12M with **K0OSW**. I remember that one because 12M was the last of the HF bands that I got on, and that one meant I now had QRP QSO's on all 9 HF bands.

My most memorable QSO of all came on 30M. On May 10, 1996 at 0036Z in the evening I was just calling my usual 3 X 2 CQ trying to get my QSO for that day keeping my streak of days with at least 1 QRP QSO going. After a few tries, a weak signal answered me. The call started with a V so I immediately thought it must be a VE6 or VE7, but the second letter wasn't an E or an A, it was a K. Well, I figured now it had to be an Aussie maritime mobile somewhere. No, he didn't sign slant anything after the call, just **VK6HQ**. I still couldn't believe it, and thought it was someone just fooling around. I went through with the QSO, and he was copying me very well, maybe a little better than I was copying him in my excitement. He gave his QTH as near Perth which I knew was in western Australia, and just about as far from my QTH as could be and still be on the Earth. We exchanged info for a few minutes, and said 73's. Now I wondered if it was legitimate.

I got my QSL in the mail the next day with an SAE and an IRC, and waited. In about a week or 10 days, I got a card back from John, and I knew then I had made a QRP QSO halfway around the world. There is a possibility the QSO was long path which would even add a little more to the distance that my signals travelled.

That's my most memorable one till something better comes along, and I doubt it will. I'd still like to hear about yours.

As we start the new year (it's Jan 3rd as I'm writing this), I'd like to say how gratifying it is to hear about all the QRP operation that is being done by FISTS members. In every issue of the Keynote, there are many mentions of QRP. If you are a new member of FISTS who is interested in QRP, and would like to read some of my past columns, they are all available on my web site at <http://www.geocities.com/CapeCanaveral/3852/>. There are many awards available for QRP operation. Our own FISTS club has two very fine awards, the QRP Century (I have award # 002), and the 2 way QRP Century (I have # 001). With the large number of FISTS now running QRP, these should be easier and easier to earn.

Several of the major awards are also honored with a QRP endorsement. The Worked All States from ARRL has such an endorsement, and is fairly easy to earn. It's an attractive award made even more so with the QRP sticker on it. Another popular award is Worked All Continents from the IARU and the ARRL. It is available from the ARRL, and can be endorsed for QRP operation.

One big award that is not endorsed for QRP is the DXCC. Why, I don't know. I have heard that ARRL has no way of proving that you actually operated QRP for the DXCC. Yet, they believe you for WAS and WAC. To use a currently popular phrase - go figure!

Of course, the QRP ARCI has many awards for QRP, as do some of the other QRP clubs. There are also other organizations that issue QRP awards. If you would like a listing of just about every ham radio award there is, you can contact my friend, **K1BV** whom I have known since the 60's when he was **K1GUD**, and we were involved in the county hunter's net together. He publishes an award directory, and would be glad to give you further info if you contact him via his callbook address, or via Email at [k1bv@top.monad.net](mailto:k1bv@top.monad.net).

Larry, **KE8LF** writes via Email: "Enjoy reading your QRP article in 'KEYNOTE' I operate QRP also with a Argonaut 509. I really enjoy QRP. In the summer months I take my 509 with me to my camper. I use a long wire antenna thru a home brew tuner. Don't have any complaints of TVI. Everyone has an external TV antenna there. I also use a home brew vertical with base load coil on 20 meters." Good point about no TVI, Larry. That's true.

I also received a nice Email from **N1ODL**, but don't have room in this column. I'll get to it next column, and try to cover some more of your comments as well. For now, 73 in '98. Write me at 478 E. High St., Kittanning, PA 16201-1304 or Email to [johnshan@alltel.net](mailto:johnshan@alltel.net) -30-

## **FISTS QSL Bureau**

*By Stan Reas, K4UK*

Thought I'd respond to some of the questions which have been E-mailed to me or enclosed with the SASE's and/or cards we have received.

### **Can I send you cards for QSO's with DX FISTS members?**

Yes sir, echoing what George said in his ODDS N' ENDS column in the last Issue (12), send these cards to us. We periodically make a mailing to Bob Lowe, the OM who runs the FISTS QSL Bureau in England, of all the QSL's for DX stations on that side of the Atlantic.

Since we took over the Bureau, I've made mailings to Bob on: October 20, November 17, December 9 and December 30. So the cards will get over there pretty soon after I get them. Generally it takes 5-8 days to get from Moneta, VA to Bolton, England.

### **How about Canadian FISTS and DX FISTS on this side of the Atlantic?**

We handle sending cards to these FISTS members. We do get SAE's from Canadians sometimes with U.S. stamps (if they can get them) or funds with which we can purchase U.S. stamps. Generally we get SAE's with IRC's from DX stations on this side of the Atlantic.

### **Should I send separate SASE's for my new call and my previous call?**

No, you don't have to. But if you don't, please include both calls in the upper left hand corner of each SASE.

### **What should I put in the "return address" position on the SASE?**

Please put your call sign in large letters in the normal return address position. We will put the FISTS QSL Bureau address below it. I generally stamp this address on when I get your SASE. If you want to use one of your return address labels, I suggest you put it on the flap on the rear of the envelope.

### **What is the number someone has put in the bottom left hand corner of my SASE?**

I'm the "someone" who puts the number on your SASE. It's a sequential number starting with #1 on the first SASE we receive. I hope it helps you know how many cards are still in the Bureau. When we send out your last envelope we will note on the flap or in a note inside the envelope that it is: "The last envelope in Bureau"

### **How much postage should I put on the SASE?**

For U.S. stations, one 32 cent stamp is needed for the first ounce. We can generally enclose 7 QSL cards in this envelope. Each additional ounce requires 23 cents more postage. So, for 55 cents postage we can generally send 15 QSL cards. For 78 cents postage we can generally send 23 QSL cards, Etc. If you put more than 32 cents on your SASE we will generally wait until there are cards roughly equivalent to the postage attached.

### **Can I have cards sent periodically?**

Yes, just indicate next to your call sign how often you want us to send back your envelope, such as: (Monthly) or (5 cards). We will not send back an empty envelope - Hi!

### **To whom should I make out a check or money order if I send funds to the Bureau?**

If you send money to the bureau, please make the checks out to Stan Reas, not FISTS CW Club or Franklin ARC. There isn't enough income to justify opening a checking account in FISTS name down near Stan's QTH, so Stan can't cash them. He has to send them to WZ8C, who in turn has to cash it then mail the funds back.

If you have additional questions as to how we are running your QSL Bureau let me know.

73, Stan - K4UK for the Franklin County ARC

## **RR Restoration Project Help Wanted**

Chuck **KB2E** is on a local committee of volunteers to recreate the telegraph station in his Union RR station, which flourished from 1904 to 1965, and was served by both the New York Central and the Delaware & Hudson.

The project is being supervised by Historic Saranac Lake, which is a nonprofit, but is prepared to pay for any equipment that could reasonably have been in the telegraphers station in that time frame, such as scissors jack telephone, sounders, relays, etc. Soon there will be an excursion railroad of about ten miles from Saranac Lake to Lake Placid, site of the 1932 and 1980 Winter Olympics. If anybody has any of the appropriate gear, please let him know at 32 Glenwood Rd., Saranac Lake, NY 12983 or [Brumloff@capital.net](mailto:Brumloff@capital.net) or 518-891-5704.

## Louisiana Slow Net

Wads, **WB5CDX**, FISTS #2978 is the net manager of the Louisiana Slow Net. It meets Monday thru Friday on 3713 at 8:30 Central. He would like to invite all FISTS members as well as all CW operators to check in with them.

### Nice News

Arley, **WB5NKC**, sends Welcome Messages to the new FISTS members. This is a copy of a message he received from a new FISTS. Traffic messages pay off in good feelings for both the senders and the recipients -- Join a traffic net and be a part of it!

Thank you for the welcome to FISTS - my family and I were sitting around, the phone rings, and first my son, then my wife say in a confused way, "Dad/Bill, it's some kind of message of from some radio guy".

Once I started talking to the fellow, it didn't take me long to realize he was sending on some traffic from a CW net. I was careful to get your call sign correct, and I thanked the fellow who called me, but I was so flabbergasted that I didn't get his name or call (I don't suppose you'd happen to know, would you?)

That was an unexpected treat and the first time I've ever received a message like that. Thanks again. 73, Bill Dumas /**KB0LAO**

### FISTS Century Award Net (CAN)

Al, **W8FAX**, and Brian, **W8BL**, report that we now have NCS volunteers from all parts of the country. The schedule will be:

First Sunday	2000Z	14.058+/-	Al <b>W8FAX</b>
Second Sunday	"	"	Jim <b>KC5VJU</b>
Third Sunday	"	"	Brian <b>W8BL</b>
Fourth Sunday	"	"	Stan <b>AC6TO</b>

The Net can be found on Sundays on the frequency (QRG) 14.058 +/- QRM between 2000z-2200z. The net will be held weekly except on major contest weekends.

The stated purpose of this Net is for Fists members to work other Fists members, and to help those who are working toward their Century or any other awards attain their goals.

The NCS's look forward to your participation and extend their welcome to all members. We look forward to another great year, and hope all get a chance to participate in this activity.

## Another type of CW Music

Kelly #2966 **N3XUJ** sang this song at her local radio club's Christmas party. She had a straight key strapped to her guitar, so keep in mind that anything between asterisks was sent with a key, not sung.

Oh, you'd better watch out. You'd better not cry.

You'd better not pout. I'm telling you why.

NCS is calling the net.

He sends \*QNA\* and \*QNI\*

He's gonna find out who's \*QRT\*

NCS is calling the net.

He's most happy to \*QRS\*

He knows if you are \*QNY\*

He knows if you've been \*QRU\*

So \*QTC\* for goodness sake!

Oh, you'd better watch out. You'd better not cry.

You'd better not pout. I'm telling you why.

NCS is calling the net.

Here is a photo of Kelly - if you look real close, you'll see a straight key attached to the top of her guitar! **KW4T** is holding the microphone.



Check-ins (QNI) for the first Sunday in January FISTS Century Award Net are **AF5Z**, **N1WL**, **KF1S/6**, **KC5VJU**, **AC6TO**, **WA1GAG**, **WZ8C**, **W8BL**, **WA6RND**, **N7CFA**. I hope everyone notices that I checked into the net - I actually DO make time to get on the air every once in a while, hi.



Thought it about time I join the crowd and write something for the "Keynote". It's been over a year since I joined and the membership has about doubled, and no wonder, really a great bunch. I guess we share at least one thing, and that is a desire to communicate direct and to the point. Here's a quote of my own invention, "If you don't have much to say, say it in CW" (it applies to me anyway). This Christmas I had to drive to Boston, Mass., about 500 miles each way and it was so nice to be able to talk to some of my Fists friends while on the road and give them some more points as I was in different call areas. Worked Jim from 4, 3, 2 and 1 lands.

I also talked to:

Esther KA4IFF #11  
 Stan AC6TO #2696  
 Jim KC5VJU #2920  
 Gary WA4KQL #2534  
 Jack WB2FXK #918  
 Brian K8EY #1221  
 Grant K2ACW #2573  
 Leif OZ1EUO #3728  
 Bernie K2SWZ #748  
 Grant K2ACW #2573.

I guess I shouldn't have started this, I'm sure there are others that I have forgotten, please forgive me, I didn't do any logging. The hard part of /M CW is logging properly. I just got a batch of cards and there were 4 that I had missed.

P.S. I spent the last few days getting my cards ready to send out. Afraid to get on the radio for fear I'll run into a new Fist and have to fill out another card, HI. I H A T E P A P E R W O R K 73 Tom N3XT #2627

I'd like to second K4FW's comments in the Dec Keynote. Before putting an ICOM 735 in our car, I was one might term a 'competitive driver' on the morning commute. Worse than the wear and tear on the car, was that on me. I'd arrive at work mad at someone who, likely didn't even know that I was out there with him.

Not so since installing the radio, now I ease along in the right lane chatting away with someone new and interesting. Better still, I arrived at work feeling just as happy and relaxed as I did when I left the house.

And a side benefit - I used to have a terrible time with remembering names, call-signs, telephone numbers, etc. Over the years with mobile CW, I've seen my retention of such things increase hundred fold. 33 Geri N4GHI

Chuck, KB2E, sends along these comments on the Dec Keynote article in which John, K5DL spoke about the other "auxiliary" characters used in Morse code that we don't ordinarily use.

"I remember when I first learned Morse making a list of the "missing" characters and wondering why they were missing. John mentions that there are six, but a very interesting book by Lewis Coe, called "Wireless Radio" lists seven, or maybe it's 12 if you count an additional five that are used in Russian, and use the Cyrillic alphabet. The six -- and I am not up to speed on the names of the punctuation that accompanies each letter, terms such as diacritical mark or umlaut or accent grave are just dim memories -- are the German A with two dots over it, dit-dah-dit-dah; the Spanish-Scandinavian A, with an accent mark, or a dot, over it, dit-dah-dah-dit-dah; the German-Spanish CH, dah-dah-dah-dah; the French E with an accent over it, dit-dit-dah-dit-dit, the Spanish N with that wavy line over it that we all know now because of the infamous El Nino, dah-dah-dit-dah-dah; the German O with two dots over it, dah-dah-dah-dit; and the German U with two dots over it, dit-dit-dah-dah. I won't attempt to describe the Russian characters -- even if I had them right in front of me, if I was working a Russian ham I wouldn't dare send them for fear they might be shorthand for "your mother wears Army boots."

"(Years ago when Krushchev was being such a pain and bullying our statesmen, one of our guys -- if not Dean Rusk, I'm close -- said to him, as Krushchev was being polite to the statesman and blaspheming the USA, "Remember the old Russian proverb, 'Don't praise me and spit on my mother,' and Krushchev said oh yes, sorry, I remember -- and our statesman had made it up! Hi!)

"Coe's book "Wireless Radio" hasn't gotten much attention, but it is a GEM, succinctly and informatively written. It's not just ham radio, but most hams would find it extremely interesting. Chapter heads include marine radio, amateur radio, point to point, on the move, military radio, cellular and satellite telephones, TV, police radio, wireless transmission of power, the Morse code, radar, and a couple of more.

I enjoyed that book so much I bought another one by him "The Telegraph, a history of Morse's invention and its predecessors in the United States." The books are available from McFarland & Co., Jefferson, NC. The two I have are bound in homely but serviceable library bindings: don't be put off by their somewhat drab appearance. Recommended

## An Indoor Antenna Idea

By Tom, W1GO

The December KeyNote contained a story about **W8ROG** and **WO8E** and their new condo and the antenna problem which Ken faces. I am an apartment dweller, too, and I know what he is up against. I live in a two-story building on the second floor of a 40-apartment complex and I have the distinct joy of listening to the horizontal deflection systems of 39 TV sets, assorted lamp dimmers, etc. It's not a great environment in which to operate. Further, we are not allowed any outside wires, even though I could string up about 150 feet of wire.

With the violent thunderstorms we have around here, I wouldn't want to be responsible for bringing some lightning into the building - might result in having to live on the street! So a couple years ago I set out to see what I could build to operate right in this bedroom. I finally came up with a half-wave loop for 20 meters. This antenna takes very little space, is fed with balanced feed line (no ground problems and "hot" equipment) and is quite efficient on 20 meters. It is usable on 40 and some other bands.

The basic half-wave loop is directional in its own plane - thus a half-wave horizontal loop is horizontally directive, unlike a full-wave loop which is directional perpendicular to its plane. In practice, the half-wave loop does show a slight azimuthal directivity in the direction opposite to the fed side, but this is only 2 or 3 dB.

This antenna is built from four pieces of 1/2 x 1/2 x 1/16 aluminum angle, 8 feet long, available at most hardware stores. The four sides are bolted together in a square pattern, with the fed side split in the middle for a feed by open wire line. The insulator here was made from a piece of 1/2-inch thick polyethylene cut from a kitchen cutting board. The antenna itself is hung from my bedroom ceiling using some plastic chain links found at a crafts store. I chose aluminum for its light weight, since the mounting to the ceiling is tricky if the weight is too great. I would have preferred copper tubing except for its weight. Each of the four corners is electrically reinforced with a 1/2 inch length of some 1 x 1 x 1/16 aluminum angle to provide extra conductivity to assure low resistance at each joined corner, extra important if 40-meter use is intended. Thus, each corner contains three bolts and nuts, one for joining the antenna elements and two more for the overlapping 1 x 1 angle. The antenna is suspended from the bedroom ceiling in seven places. If enough people are interested, I can supply some sketches of how I did it - it's really quite simple.

The antenna is fed with balanced line from a

tuner. This assures balanced feed currents and no residual RF wandering around on equipment cabinets. On 20 meters it presents a fairly high impedance to the tuner (as expected), and thus its efficiency is quite high. The RF losses in the antenna are very low. As for performance, I seem to be able to work anything I can hear on 20M and usually get reports that are equal to the report I give. The only problem is that I cannot operate my computer while on the air. At 100 watts, the RF field from the antenna is too intense and is only five feet above my keyboard and gets into the keyboard, generating about 18 interrupts per second until the stack overflows and the machine goes away. Fortunately, my little Super CMOS II keyer works just fine in this RF environment with no problems.

The antenna will load on 40 but is very inefficient. This loop is a quarter wave long on 40 and thus is a virtual short circuit (about 5 ohms or so). This is the reason for the corner reinforcement pieces. But it does get out in a ho-hum manner. I have worked KH6 on 40, however, so all is not lost. It will load nicely on the higher bands, but one must remember as you go up to the higher frequencies the directivity of the antenna changes until on 10 meters it is radiating straight up and down - not too useful. As a space-saving antenna, this one is a beaut - how many people use their ceiling for anything?

My best to you and the great FISTS gang, and may "98 be great". Tom, W1GO

## SWR

Last month Jim **K5JAZ** wrote an article about setting up a station on a budget using a vertical antenna. Here is an explanation from Phil, **KE3FL**, about the SWR. Jim reported with the antenna:

Jim set up his vertical and measured 2:1 on all bands. Then he moved his measurement to the shack and measured 1.3:1 on all bands and stated, "I don't know why, and don't really care,..."

Well, I agree and disagree. I agree that it won't change things now and so one doesn't need to care. He made sure his SWR was the required "2:1" in the antenna's specs, as measured at the antenna. And yes, the presence of his body in the near-field will make a difference. My small article just below his demonstrates another possibility, his 50 feet of coax. To find out just which contributes more, let's crunch the numbers...

Let's start with a feed line loss of -0.6 dB and a measurement of 1.3:1 SWR at the shack. What do the numbers say the SWR at the antenna will be? I

get only 1.35:1, even if we up the feed-line loss to - 1.2 dB I only get an SWR at the antenna of 1.42:1 so the explanation is NOT 50 feet of good feed-line.

Jim is getting some very good SWR's from that antenna, and there are times when we should be concerned with SWR readings better than the manufacturer's specs. Let us all remember that one also gets very good SWR's from a good dummy load, but then we don't get DX QSO's with a dummy load, HI. The proof is in the pudding, and Jim's QSO's prove that the antenna is working well! Good article Jim, thanks! 73 de KE3FL Phil Karras

### Holes In Plexiglass

In issue #8 K8UGL mentions using a heated awl or ice pick to melt holes in plastic. I just wanted him and others to know that there are special drill bits made for plexiglass. They are more tapered with a different spiral which cuts the plexiglass without burning it. If your local hardware store doesn't carry them, I'm sure they could order them. Bill, N3WST, FISTS 3028

### You're My First CW Contact!

After teaching CW and Theory classes for over 40 years. I found that my students enjoyed trying CW but they were terrified at the thought of getting on the air. I would get on the air and try to be their first contact.

Since those days I have made a point to get on the novice bands and call CQ at very slow speeds or look around for a super slow CQ. It takes some time to understand what they are saying but once you get them going most do well.

How many guys do you know who have CW privileges and have never even had ONE contact? All most of them need is a station who will not runaway from them as show how fast they can send. I have gotten long letters from new people and even telephone calls from guys who thank me for going a speed they can get. Remember the days when you were just getting into the hobby and how hard it was to find a station going slowly enough to be copied.

Fast CW is fun but sometimes just helping new operators have their first contacts can be even more rewarding.

Art, W8PBO

### PSE QSL!! A New Book

Bill Welsh, W6DDB, has written a book covering all aspects of QSLing, including QSL design and selection, how to use QSL Bureaus, QSL managers, QSLing direct to foreign countries, sources of foreign postage and much more. Pse QSL! is 70 pages long, with 15 illustrations and several extremely useful lists. Size is 8.5" by 11". It lists for \$12.95, but Bill has copies available to FISTS members for \$7 including shipping. To order send check or money order to Bill Welsh, 45527 3rd Street East, Lancaster CA 93535-1802

### Now, THAT'S a Ragchew!

With all the comments I've been getting about how FISTS is becoming just a number chasing group, this letter from John was a pleasure to read:

"Here is some information to stir up pride, interest, or even disbelief with respect to CW accomplishments. To all FISTS members I ask: "What is your longest, single station contact?" I have a 30-meter log entry dated 1 January 1996 detailing a continuous straight key conversation with a Canadian chap that lasted three hours."

"In 37 years of pounding brass, I never acquired the proper touch for a keyer nor one those typewriter like buttons devices that enter data to a computer. John, WA2NZO, #3684 48th AHC/USARVN '66

I wrote back to John and asked him for details about the QSO, if he remembered if it was QRQ or QRS, QRM, etc. He replied:

"Never really checked my speed because band conditions, fatigue, and an incoming signal work to throttle my fist. Only once did I forsake slow speed to run wildly with the demon key they call Speed-X. It started out as one of those god-awful nights filled with a stillness on 40 and 20. I flipped to 15 when all of a sudden the ether exploded with a loud CQ. He was fast and you could tell by his rhythm that a keyer formed his characters."

"Bored from the stillness before and knowing that this was the best the evening had to offer, I slowly answered his call. He acknowledged me and said that I had reached a Naval Air Station. I tapped out my reply suggesting that he slow down to swap more information. He returned like a crusty old crab ordering me to send at his speed or terminate the contact. I rigidly fixed my fingers on the knob of that straight key and spat upon its bearings to get more WPM. If he sent at 25, I pounded back with 27. We dueled on until there was nothing more to send while listeners eased back on their eardrums that were stretched out to tell the difference between the keyer and the straight key called Speed-X.

What a neat way to describe a QSO John, I could almost feel like I was there! Thanks for sharing.

This is a copy of the transcription of the last Great Britain transmission as they signed off from monitoring the 500 kHz frequency. It was sent in by **KB7AQD**, transcribed by **G3TUX**.

As most of already know, GB ceased its watch on the 500 kHz international (CW) distress frequency at midnight last night, 31st December 1997.

I patched a cassette recorder into my FT900 tuned to 500 kHz and have just transcribed the following.....

(at 2349 UTC Portpatrick Radio GPK was first to sign off)

CQ CQ de GPK GPK. At 31.2359 UTC Portpatrick Radio/GPK will end the H24H 500kHz distress watch after 76 years. In 1844 QTC nr 1 fm Samuel Morse was <What hath God wrought?>. All R/Os now ken the answer to this. NW 73 73 /Slainte to all R/Os, past and present - fare well. AR de GPK GPK VA

(next was Wick Radio/GKR)

CQ CQ CQ de GKR GKR GKR. After almost 90 years serving seafarers this is the final w/t broadcast from Wick Radio. For the few of us who are left it is with feelings of pride and nostalgia we remember friends and colleagues at sea and ashore and the service was rendered particularly to the then mighty distant water fishing fleet. Technology however marches on and as we find ourselves and our service consigned if not to the museum then certainly to the pages of history. All that remains..... < at this point a strong TFC broadcast from IAR (!) rendered copy impossible> .....best wishes for 1998 and 73s to any who are left on the sea with the ability to read this.....<at this point GLD transmitted an acknowledgment to GKR before the latter had finished sending - I think he was trying to hurry things along!>

(next from Cullercoats/GCC)

CQ CQ CQ de GCC GCC GCC. Here is the last w/t transmission from GCC. A fond farewell from Geordy-land. Sent with a sad and shaking hand. For many years with signs we spoke and now it all goes up in smoke. So thanks and all the very best as GCC is laid to rest. De GCC/GND 010000Z AR AR BB de GND

(Finally, at approx 0017 UTC)

GLD de GCC. Over to you and best wishes to u and all listeners AR VA de GLD R Mini tks.

CQ CQ de GLD GLD. This is the final w/t transmis-

sion from Lands End Radio. Since 1901 GLD has listened continuously on 500 kHz and is proud to have assisted many ships in distress both in peace time and in war. But now the time has come - ours is not to reason why - the satellites are calling, our Morse transmitters die. Marconi if you can hear us we salute you. de GLD 31/12/97 2359z AR AR de GLD

My tape ran out at about 0030z when GLD was still acknowledging calls from other watchkeepers. Call-sign logged included EAC, EAS EJK, EJM, IAR, OST, OXZ, SAA, SPA, SPE and VCM.

Thus another era comes to an end. The Morse was all hand sent and frequently showed the emotion of the occasion. Vy 73 and HNY to all, Chris G3TUX

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Robert KB7AQD comments: Sounds like the maritime version of Michael Crichton's "Westworld" and "Jurassic Park". As long as all the high tech rigs work PERFECTLY, ships are safe. But, as we radio amateurs know, nothing works perfectly, especially during a disaster.

This provides a great chance to promote FISTS and CW operations. FISTS with 500 kHz receive capabilities should take a few minutes a night on top of the hour to DX on 500 kHz CW. Send each ship and shore station a QSL report letting them know that someone else is indeed listening.

Some of our FISTS homebrewers and kitmakers may want to design a portable "Field Day" style 500 kHz IC receiver with a small loop antenna and a narrow CW passband so that we can go on 500 kHz DX peditions to monitor the routine traffic and - I hope -- rare distress call. It takes no license to monitor, and we could assist in discovering a weak call for help, and relay the sad news to the proper authorities.

Along this same topic is a proposal written by Greg **W8XP**:

At the outset amateur radio was given radio spectrum to use for the good of everyone. From that simple gift an incredible communications infrastructure arose. With only a small outlay of time and money by the federal government and the people of this country, guidelines were set and formed operating rules. Now a small portion of the FCC's budget is used in the name of amateur radio to administer those frequencies. Beyond that, the balance of money, time, and experimentation is spent by the individuals who participate in amateur radio. It is mind boggling to think

of the size of this incredible communications miracle, with all it has to offer. Literally everyone wins, the participants and the public alike.

My proposal is, for bands that will retain the use of CW and other digital modes for emergency communications, primarily for what has been lost at 500 kHz serving maritime emergency traffic. I propose 2 new bands in the HF spectrum; 1 in the vicinity of 5 MHz and the other at about 12 MHz. The propagation characteristics of these 2 bands should supply long and short range communications 24 hours a day. The higher frequency will also allow for smaller antennas that can be used more readily in portable and mobile applications. If amateurs can have access to frequencies that will also be used by maritime, these frequencies will be monitored continually for emergency distress signals.

Using CW on these bands will once again provide the one basic mode of communication that has proven itself for over 90 years in sending and receiving distress signals to someone who can help. CW is the one mode that will get a signal out with the minimum amount of equipment and power source, which in some emergency situations minimal equipment and power is the only thing left to use. Digital modes could also be used to attain a volume of information where needed or desired, while still keeping the bandwidth and power requirements to a minimum. The fact that the most basic of radios can be used with the natural ionosphere to bounce the signals back to earth at very low power settings, makes this an extremely reliable and timeless way to save lives and property. It will also be an additional incentive for more of the amateur community to participate and advance with these modes of communication. In addition to that, equipment, antennas, and propagation of these frequencies will be explored to the extreme.

For all the nations and corporations that provide for the monitoring of emergency traffic, this proposal should give them a mechanism to fill any potential gaps that may come to light in their infrastructure. Of course it will be kept on an amateur level with regard to no commercial traffic being passed on these new bands. In a world where liability concerns are paramount, this would be a huge asset for everyone concerned. The world is becoming a very busy place with many lives to protect, many additional environmental concerns. This makes it easy to embrace additional protection. Think of this proposal as a free insurance policy. Keep in mind this is not a primary source of communications. Just like all other amateur traffic, the amateur radio operator's job to handle emergency traffic begins when the primary communication in-

frastructure cannot do it's job. It would be the same for these new bands.

To achieve this new additional coverage it will require only a few hundred kHz for each band that I propose. This is the same proven process that gave us today's amateur radio infrastructure. Just think of the new international friendships and trusts that will be established in the process of operating and establishing these new bands. Greg W8XP FISTS #1977

## **Fiction or Forecast**

*By Ed NC5S*

Please don't take this as another biased and rabid argument for (or against) continuing the Morse code requirement. This is not meant to be more vitriol. I am just trying to prepare all us practitioners of the dark art of CW to accept the inevitable. After all, Morse code is pretty old-fashioned technology. It is an arcane art mastered by only an elite few. There are many more efficient modes than CW, and CW holds back the progress of Ham Radio technology since it doesn't require upgraded protocols and hardware/software implementation every few years. It is not fair to force those with no interest in this outdated art to master a skill that it literally takes weeks of hard study to learn.

A lot of new hams are intimidated by the code, realizing what a useless but insurmountable obstacle it is, and so the code requirement has not only kept new blood from getting into the hobby, but it has also kept Technicians with a lot of time and money invested in Amateur Radio from progressing. We need new blood into the hobby, and we can't afford to let us elitist traditionalists stand in the way of progress. I therefore back down from my previous position that the CW requirement must stay in effect. However, we must prepare ourselves for the consequences of dropping CW.

When (not "IF" ... the day will come. the question is WHEN) the code requirement is abolished, how many new hams will bother to learn the code? About the same number who build their own rigs now, I think. After 15 or 20 years, the majority of even Extra class licensees will be no-coders. Once they are a not so silent majority, somebody is gonna wake up to the situation with the overcrowded fone bands vs the still peaceful non-fone bands and say "Hey! That outmoded old CW stuff went out the window back when the Coast Guard stopped guarding 500Kc! The FCC finally acknowledged it when they dropped the code requirement and I could get a license, too. We still got these old foot-dragging, progress-hating brass-mashers hogging up all the good spectrum. Let's get it!" Then the feds will bow to popular opinion and

open all the bands up to fone ops once and for all. After all, the majority will be in favor of it, and treaties be damned. I am uncomfortable with the idea of hearing fone guys complaining about my beedly-beeps interfering with their QSO on 14010. But I guess I'll just have to roll with the tide and become a mic worshipping too. I'll make a nice plaque for mounting my favorite key on. It will make a nice display, adding a touch of old-fashioned charm to the shack.

With the bands completely opened up, I predict an increase in the number of ops who memorized the questions to pass their license exam and really don't know too much except maybe where the band edges are and how to trim a dipole. When we have reached this point, by and large we WILL be just cb-ers who can install our own equipment without help.

When we have reached THIS point, may as well not have an exam at all. Many clear thinkers of that day to come will insist that the testing requirement is totally irrelevant, as are multiple classes of license, since anybody can memorize enough to pass whatever level of license they desire. The majority will see the logic, and the feds will be forced to act again for the betterment of the hobby after dragging their foot for a few years. RTTY, AMTOR, Packet, and all the other data modes along with CW transmissions, will be outlawed. Data is more efficiently transmitted over the internet anyway, and the modes will just require too many old-fashioned, antiquated skills. Finally, all those interfering "beedle-beedle-beedle" and cricket chirping sounds will be eliminated, and it will be just talk, talk, talk. That complicated stuff has no more relevance in modern communications than spark! Want nostalgia? Get a jungle drum.

Mail-in no-test licensing will be convenient, and popular, and will bring in hundreds of thousands of new hams. Finally, the amateur bands are almost as free as God intended them to be! Freedom to express yourself, freedom of speech, long repressed on the bands, will be joyously celebrated by the down-trodden who have fought all the long years to throw off the heavy hand of the FCC and those hateful, elitist pro-exam nuts. The QRP homebrewer fanatics will be silenced by a very sensible law requiring all equipment used on the air be type-accepted, i.e. made in a factory where the manufacturer can ensure that no skill is needed to get on the air and talk, talk, talk. Band selection should be automatic, and power level set at the maximum the built-in power supply can handle. An HF all-bander will have a thousand preset simplex channels for the auto-propagation channel-picker-outer to choose from. The only user-adjustable control will be the on/off switch, the "volume" knob,

and the push-buttons for background music and sound effects.

Finally the big day will come. The courts will recognize that everybody, licensed or not, is entitled to equal use of the amateur bands. FCC licenses will continue to be proudly displayed by the old-timers who had to take a 10 question true/false test to earn them. The same old-timers will collect such curiosities as Voltmeters, grid dip meters, oscilloscopes, soldering irons, and the like, and as they die the newest craze, collecting antique ham gear from the pre-freedom days will take off. The FCC, in alarm, will impose heavy fines on possession of old fully user-adjustable transceivers and transmitters that have not had their finals removed and connectors filled with a type-accepted epoxy based compound at an authorized factory.

New employment opportunities will open up for practitioners of the dark arts. There will be a big demand for technicians who know how to plug everything together and make it work. These radio experts will take care of all the really mysterious stuff like installing a station GND, whatever the hell that stands for, and connecting an antenna properly. Once the radio nerd is done, paid, and gone, the proud station owner will have a station capable of transmitting a signal clear to the other side of the globe... of course with all the QRM nobody will understand the words, but it will still be comforting to know that one's voice can help contribute to the joyous unintelligible babble all the way in Ulan Bator. Radio will truly be making the world a smaller, friendlier place!

Finally, the day will come when some ham, browsing through an antique ham radio shoppe will see a dusty old set, one of the really old ones ordered disabled by the FCC because the continuously variable tuning permitted off-channel transmission. The ham of the day will notice an opening on the back panel cryptically labeled "KEY", and wonder why the ancient, long dead owner though it was necessary to lock up his AB.

### FINAL

A late breaking bit of news from Geo **G3ZQS**. The DX FISTS are sponsoring a Winter Straight Key Week from Sunday, 1 Feb to Saturday 7 Feb (0001utc to 2359utc). North Americans are welcome to join in, but will be in a separate category, since we have a "higher density of potential contacts" to draw from than the DX FISTS do (Geo's words, not mine!) I was told about this contest too late to do any publicising on it, or even get it in the Key-note in a timely fashion, but I wanted to let you know what's going on in case you hear some CQ SKW's on the bands. 73 88 and Happy Valentine's Day! Nancy **WZ8C**

**FISTS CW CLUB**

**NORTH AMERICA  
CARIBBEAN AREAS  
CENTRAL & SOUTH  
AMERICA  
MEXICO, HAWAII**

KF5 A JAMES 1919	KB3 APX JON 3576	KC2 BIS GEORGE 3509	W8 CCN TOM 3486
WR4 A HERB 3078	KP4 AQC PEDRO 2548	AA9 BJ TOM 2601	AB0 CD RICHARD 3698
NC0 A CHUCK 3365	KB7 AQD ROBERT 3478	W2 BJ BARRY 2701	WL7 CDC DOUG 2437
K7 AA RAY 2093	KB3 AQL LEE 3235	KM5 BJ MARK 4223	KD4 CDI SAM 2994
KK7 AA MELISSA 2181	W6 AR DEWEY 3436	VE7 BKC TREVOR(ve3bmc 3033	K7 CDN GENE 4200
K1 AA NORM 3236	K1 ARO RICHARD 1580	W8 BL BRIAN 1221	WB5 CDX WADSWORTH 3978
W1 AAE RON 3099	WB2 ART KEN 3456	N4 BM BOB 2587	AB2 CE SMITTY 3524
KA5 AAE JIM 3257	W1 ART ART 3499	K6 BM STEVE 2973	N3 CEU JOHN 4073
K9 AAU BOB 2747	K3 AS BILL 2164	VE3 BMC TREVOR(ve7bkc 3033	N7 CFA ED 1402
KB8 AAX TONY 3289	AC4 AS JIM 3321	W7 BMI BOB 3144	WB0 CFF CARL 3465
KG9 AB STEPHEN 2617	K7 ASU TERRY 3204	KB1 BMO LINDA 3847	VE3 CFL CHARLES 3248
W1 AB AL 3532	XE2 AUB BENJAMIN 4236	W1 BMS BILL 3570	W1 CFZ RUSS 0294
XE1 ABE HUGO 3448	KC2 AUH HARRY 3085	KB3 BMT JAMES 3185	KC2 CFZ JOHN 3624
KD7 ABK GEORGE 3017	W6 AUH DALT 3519	W4 BMW BOB 1539	N2 CG GEORGE 1006
N8 ABR FRED 1470	WB8 AUJ JOHN 3300	KJ5 BN GORDON 1503	W3 CG NORMA 2034
K7 ACK FRANCES 3097	KB4 AUK GARY 2779	WB4 BNI CHARLES 3623	KB9 CGF GRAHAM 3909
K2 ACW GRANT 2573	KB1 AUM SHEILA 1599	KB3 BOA MIKE 3958	WB7 CGK CHARLES 3567
VE6 ADM GEORGE 4007	KF4 AUM JOHN 3088	KC8 BOJ ED 3391	VE6 CGX TONY 3919
N2 ADP JOE 3118	WB0 AUQ BOB 1905	WN4 BOT BOB 3161	KC8 CHR ROY 3047
KN6 AE SMOKEY 3128	WA9 AUW BILL 2066	KB2 BOY STANLEY 1598	K7 CI JOE 1738
W6 AEJ BOB 3202	AA3 AV EUGENE 1220	AB2 BP CLARENCE 3008	N9 CIB RAY 1922
WD4 AEW DWIGHT 3105	KU4 AV DICK 2731	K3 BP BEN 4232	K1 CIK KARL 3422
N5 AF SAMMY 2171	KM5 AV SCOTT 3042	KA1 BPH RICH 3169	WB9 CIS JOHN 0531
KE1 AF ABEL 2954	AB8 AV JOSEPH 3800	WA2 BQI BUD 2009	K3 CJQ TED 2177
W8 AFI ED 2991	VE7 AVC VIC 1742	KC8 BQN JAKE 2663	VA2 CK GARY 2578
KC2 AFK DAVE 3922	KB3 AVS CHARLES 2480	KM4 BR RON 1593	W8 CK CRAIG 3367
KC5 AFL JIM 3557	K4 AVX JOHN 2307	CO6 BR RAFAEL 4174	KA8 CKL MEL 1768
N5 APV ALLEN 2168	AA3 AW DANNY 2482	W9 BRD RODNEY 1782	WD6 CKT GARY 2484
K1 AG BILL 2728	KU4 AW BEN 2674	KJ7 BS MARK 2972	W1 CKV FRED 2745
AD6 AG MIKE 3242	W0 AW GARY 3310	KC8 BSC AL 2069	WL7 CKX PATRICK 2050
K4 AGT JIM 1581	KP4 AWI ERNIE 3302	WB8 BSE DON 3574	VE3 CKX DOUG 2900
KC2 AHE JOHN 4134	KB3 AWR FORREST 3425	WD8 BSG DON 2737	K1 CL CHUCK 2077
WA2 AHH PHIL 1988	WB6 AWZ HARLEY 3584	N1 BT DAVE 2522	W3 CL CARL 3477
K4 AHM LEARD 1550	K5 AX TOM 2996	K8 BTH WAYNE 1465	W9 CL CLAUDE 3904
KC8 AHR ALEX 2983	KG9 AX RON 3296	N3 BTM JOHN 1574	N9 CLK RICK 3619
AE4 AI DAN 2444	WD4 AXJ MARTY 2668	N4 BV BOB 2640	W0 CLR JERRY 3620
K9 AI VIRGIL 2532	WD0 AXP SWEDE 3553	K8 BVJ JACK 4193	WP4 CLS MILLIE 2541
KF6 AIA HERB (JJ) 3666	KJ0 AY CHUCK 2414	W2 BVK ED 2495	T15 CMA CARMELINA 2556
KC2 AJO BOB 4071	N8 AYQ JIM 1230	WD5 BVQ CRAIG 4020	K4 CMH JIM 3094
N7 AJ DON 2786	WA1 AYY DOMENIC 4168	KC8 BVS HAROLD 2091	W7 CNL JACK 2631
K8 AJD KEN 2544	AE4 AZ RAY 1561	N2 BW BARRY 2591	K0 CNS RICK 3370
N1 AKG JIM 4026	KB8 AZS MIKE 4141	KE4 BWD EVAN 3632	N1 CO BILL 3119
KA7 AKK BETH 2084	KC8 AZZ PETER 3314	N9 BWG DON 1015	KZ5 CO WILLIAM 3850
KC4 AKQ OSCAR 2015	NC2 B MARTY 1028	W7 BWI LOREN 2475	N3 COR DON 3221
N2 AKZ CLIFF 3813	WB0 B LARRY 2916	KB2 BWO AARON 3145	W6 COS BILL 4052
KC0 ALB ZACH 4094	KX8 B CHUCK 2987	KS4 BX ROGER 1403	N8 CPA STEVE 2904
VE7 ALL CLINTON 3066	KR1 B BOB 3442	W4 BX FRANK 4049	WB3 CPB BRUCE 2340
W9 ALM BILL 2163	KK8 B DENNIS 3555	K0 BXF BOB 3918	N7 CPP BRUCE 2075
W5 ALX ALEX 3304	WX1 B MAX 3697	W0 BXS DON 3607	K4 CQ EVERETT 2942
AB0 AM PHIL 2364	KC8 BAA JIM 2938	WD6 BYH ROBERT 3170	N8 CQA BUCK 2609
VE6 AML HAL 1930	WA0 BAG DINK 2960	W9 BYH BILL 3394	VE3 CQD DAN 3990
KA8 AMX TRISH 1453	K4 BAI JOHN 2158	N7 BYP PETE 3410	K2 CQV DAVE 4070
K8 AN RALPH 1484	KC8 BAP ROB 2931	KA9 BZM BILL 2409	KE3 CR GILES 4192
KC5 AN JOHN 3647	KE6 BAZ BUD 2998	KC0 BZN JEFFREY 4181	KC7 CRR BOB 3826
WA5 ANF DAN 2908	KE1 BB FRED 1536	KB1 BZV PHILLIP 3568	KM5 CS WATT 2559
VE3 ANI ALFIE 2755	KB1 BBI LOUISE 1985	WZ8 C NANCY 0379	VA2 CS CORAL 2579
N6 ANQ JOHN 4123	VE1 BBW DAVE 2919	WR9 C RON 2711	N1 CSD GENE 4001
TG9 ANS ELISEO 4184	VA3 BBW BRUCE 4202	WB8 C RAY 2739	WA3 CSF JOE 1271
K5 AO PAT 2138	W2 BCH JIM 2487	WJ0 C JIM 2910	WL7 CSJ CHUCK 3214
N3 AO CARTER 2367	K2 BCL GAIL 2438	WN3 C MAC 2932	KE6 CSL TOM 2637
W0 AP MAC 1908	VE5 BCS HAROLD 3498	NE0 C KEN 3014	KG9 CT CHUCK 3805
KI8 AP GREG 2985	KC8 BDM JIM 4240	WC6 C CHUCK 3360	KF6 CTA DICK 2643
K5 APB JOHN 2107	K2 BE CARL 2581	NN6 C MIKE 3443	KE6 CTI MATT 3371
VE7 API HUGO 4235	W2 BE BRUCE 3889	NI7 C JIM 3452	VE7 CTW KEN 3138
WB8 APR JOHN 3126	KC2 BEK KEN 3980	KR3 C TIM 4010	W5 CTZ HARRY 3239
	W1 BFT CARL 1431	WB4 CAW NATE 2664	KC8 CUD STEVE 2986
	AC5 BG BILL 2598	K6 CB CHRIS 3471	N2 CUF KEN 3596
	W4 BGG GATOR 3298	KA3 CBC ERNEST 3230	N1 CUR TED 3168
	KF4 BHR JOHN 1991	VE3 CBK CHRIS 3593	W3 CV SCOTT 1502
	N5 BI GARY 2029	W9 CBT DICK 3417	K8 CVC BOB 3324
	KG2 BI WARREN 2671	VE7 CBU JOHN 3890	KA8 CVH JOE 2979
	KB1 BIC RICHARD 2059	W9 CC LARRY 1714	ZP6 CW DOUGLAS 1771
	KB7 BIC BRENDA 4178	WB1 CCG DONNA 2310	W3 CW BOB 2491
	WA8 BIJ VINCE 0905	KB1 CCI CHET 4209	WA6 CW ROB 3293

W4	CW	ROB	3673	K7	DOE	PHIL	3277	K15	EL	FRED	1229	AF4	FE	MATT	3533
KM5	CW	JOE	4217	N7	DOH	PAUL	3457	KT4	EL	WALT	3165	WD9	FEP	JON	2127
N8	CWG	PhoneLess in America Morse	3500	W3	DP	DICK	3464	W5	ELO	CHUCK	3586	N8	FF	KEN	1225
K4	CWL	TIM	3886	KF4	DPS	JIM	3447	N2	ELW	LARRY	1469	AF4	FF	MIKE	2079
K5	CWR	FRED	2570	K5	DQ	PEGGY	1921	AA0	EM	JOHN	2094	N7	FF	FRANK	4186
K1	CWZ	LAWRENCE	3645	WA4	DQU	KENT	2449	W9	EM	JOHN	4127	CE3	FGC	DIDIER	4019
N6	CX	GLEN	3263	K10	DS	KEVIN	2547	W3	EMB	JACK	3598	N3	FGT	DENNIS	2703
N8	CX	ALAN	3301	WD9	DSP	SHARON	2772	W6	EMD	DAVE	2095	WA0	FGV	JGGS	1286
W8	CYG	JOE	1471	KM5	DT	BEN	2128	W6	EMT	ROY	3249	WB6	FHK	AL	2956
WB6	CYY	BOB	3812	KO6	DT	BILL	2421	K8	EN	KEN	0927	W1	FHP	BOB	2943
K18	CZ	TOM	2360	AC4	DT	NEAL	2993	N8	EN	STEVE	2917	AC5	FI	ED	1499
N3	CZB	LOU	2392	W0	DT	DON	3927	N3	ENB	CARL	4231	N5	FIH	BILL	2001
KC8	CZI	DAVID	4196	K0	DTQ	JACK	3577	K5	EOA	WAYNE	3887	J4	FIK	GEORGE	3496
WA4	CZK	GARLAND	2783	AA3	DU	MICHAEL	1400	KB5	EOU	PERRY	3925	N8	FIZ	JIM	4072
NU7	D	RANDY	1796	N3	DU	TIM	3368	AD4	EP	GEORGE	1754	AD4	FJ	ED	2121
WB2	D	PETER	2071	KB7	DUG	KEN	2672	KF9	EP	ERIK	3217	KC8	FJW	JOHN	4221
AF7	D	BILL	2690	KC5	DUI	BOB	1534	KC8	EPA	AL	3101	WA9	FJZ	GENE	2388
KC4	D	BILL	2709	W3	DV	Woodwardville Amateur RC.	1975	KC7	EPD	SAM	2521	KB1	FK	AL	0916
WN7	D	DON	2759	K7	DV	JOHN	3582	AB5	EQ	MEL	2492	KE4	FKX	BOB	2646
KC8	D	DENNY	3132	KA9	DVX	JOHN	3677	K4	EQ	DALE	3597	KE3	FL	PHIL	3117
KK6	D	DOUG	3187	WB8	DWD	JIM	3459	W8	EQA	DAN	2469	WB1	FLA	TOM	4180
WW8	D	TOM	3264	VE7	DWG	DAVE	3197	K1	EQA	JAY	3876	W2	FLN	GEORGE	2049
NX2	D	GLENN	3537	W8	DX	HARVEY	2912	WB8	EQG	BOB	3530	K8	FLY	BILL	3032
KW7	D	PAUL	4125	WN2	DX	MARTY	3841	KE4	EQW	TOMMY	3564	K10	FM	GENE	2349
KG8	DA	GEORGE	1473	WA8	DXB	JIM	2160	AF4	ER	TOM	4068	VE3	FMC	RICK	2767
VE3	DA	AL	2757	W4	DXB	REED	2746	VE7	ERA	OLIVE	0743	AC4	FN	DAVE	1021
AC6	DA	JEFF	3539	WA8	DXD	TOM	3806	K1	ERB	WAYNE	3109	N1	FN	MARSHALL	1791
W8	DAN	DAN	3421	W3	DXK	HARRY	2710	W8	ERD	ROBERT	4150	K8	FN	BOB	2455
KA7	DBR	MIKE	1972	WN4	DXL	LARRY	3345	W3	ERU	WES	2099	K5	FO	CHUCK	1716
N5	DCF	VIC	2641	KC7	DXT	JERE	4198	KQ6	ES	JOHN	2406	KK3	FO	WAYNE	2447
WD6	DCG	JOHN	4237	KC4	DY	GORDON	1588	W2	ESX	JOHN	1565	KM4	FO	DWIGHT	3316
W3	DCN	GORDON	4083	KE1	DY	SAM	2689	WD4	ET	JEFF	2769	W4	FOK	JIM	3272
KF6	DCU	DAVE	2398	AA8	DY	BILLY	2763	W6	ETK	NORRIS	3626	K4	FOM	ARMON	2010
W6	ddb	BILL	1525	W8	DYF	JOE	2024	K1	ETN	AUSTIN	2072	K1	FP	FRANK	1994
W4	DDD	JIM	3820	XE1	DYO	JOSE	2410	N3	EU	CHIP	2645	K7	FQ	MIKE	2794
KD4	DDI	PAUL	1512	WO8	E	IRENE	0656	K2	EU	FRED	3913	KI7	FQ	MIKE	3997
W8	DEA	DON	3470	NS3	E	ED	0909	W0	EUT	BOB	3556	W2	FR	HOWIE	3548
KC8	DEN	DALE	4033	KJ8	E	ERNIE	3074	N6	EV	PAUL	1407	KN6	FR	RICK	3965
W7	DER	ART	2023	NU3	E	JOHN	3833	K0	EVZ	DOC	3868	W3	FSA	JOHN	3638
W9	DEW	DON	1406	WB8	E	WALTER	3972	AE4	EW	TERRY	2653	N3	FSC	GREG	2044
KU4	DF	KERRY	2959	AA5	EA	WALLY	1969	KQ6	EX	BARNABY	2707	WB4	FSF	BONNIE	2975
K6	DF	DENNIS	3076	KU4	EA	JIM	3007	W0	EX	RICHARD	3939	WB8	FSV	JACK	3502
N3	DF	NEIL	3328	KC8	EA	SCOTT	3572	K1	EXE	JAMES	4011	W6	FU	KEN	2193
N2	DFT	GEORGE	2741	KF6	EAA	JIM	3955	WB2	EXI	JOHN	2760	KF9	FU	CARL	2362
K7	DFW	ROLYNN	1983	WA0	EAF	GARY	3021	K8	EY	FISTS CW Club of Michigan	3400	KP4	FU	VIRGIE	2540
AA1	DG	ROGER	2971	WB2	EAG	MARK	3801	WD9	EYB	JAMES	3866	W0	FU	TIM	2574
KF6	DHA	COLLEEN	3947	W1	EAK	EVERETT	3120	WB1	EYE	CARL	2629	WB2	FVE	CRAIG	1510
KF6	DHB	JAMES	3946	W3	EB	SCOTT	4132	WB2	EZG	VINCE	0315	K4	FW	AL	1926
KB9	DIIF	LEE	4115	KE4	EBR	ROGER	3545	WA0	F	MARK	1736	NP4	FW	HECTOR	2531
KC1	DI	DAVE	1210	N4	EC	ED	3435	WY6	F	PETE	2017	KE4	FWA	CARL	3818
W7	DIB	RALPH	3617	KC8	ECG	HELENE	2990	WT7	F	TERRY	2542	N2	FX	BEN	1011
N8	DIX	STEVE	1710	KC8	ECI	LUNA	2984	WC9	F	TOM	3832	W2	FX	LEONARD	4081
K9	DIY	MILL	2798	WN7	ECL	TOM	3274	K10	F	ROGER	3992	WB2	FXK	JACK	0918
NP2	DJ	DEBBIE	1489	N2	ED	ED	2454	AD4	FA	BILL	2012	KF4	FXT	TOM	4018
KP4	DJ	WILLIAM	1576	KK5	ED	LEROY	4172	W1	FA	FRANK	2036	W8	FYO	BILL	1248
N0	DJD	SID	2435	A14	ED	ED	4197	KF8	FA	WILLIAM	4022	KA4	FZI	PHYLLISAN	1767
WB7	DJR	CARL	2004	K2	EF	FRANK	2583	N9	FA	FAY	4188	KA0	FZW	RAY	2604
N6	DK	DICK	3395	K7	EF	GEORGE	3189	W3	FAF	JOHN	2590	NS2	G	HELEN	0393
N0	DKE	PETE	2037	K10	EG	EARL	2565	VE3	FAL	FRED	2337	W12	G	ANNE	3143
KC6	DKE	BILL	3892	AC5	EGS	RICK	2715	W8	FAX	ALAN	2192	WW2	G	WENDALL	3177
KE6	DKH	WILLIE	2720	KQ6	EH	PAUL	3429	W2	FB	HOWARD	1024	KV6	G	DICK	3579
W3	DKR	LILE	3511	K8	EHE	TERRY	3152	W4	FBE	ROYCE	3279	KF2	G	JIM	3588
K5	DL	JOHN	2768	N0	EHZ	JON	3950	N4	FBY	TED	2479	NW8	G	JOHN	4040
VE3	DLH	JERRY	3292	KF9	EI	WOODY	3040	K8	FC	JOE	2170	KZ4	G	DAVE	4149
N0	DLJ	DAVID	1419	N1	EI	CHARLIE	4006	KA8	FCC	DON	3440	N8	GA	GARY	2385
N6	DM	DON	4053	N7	EIF	GENE	3280	WB4	FCO	ED	3190	N2	GA	GEORGE	3313
K5	DMC	JERRY	2571	KE1	EJ	GLENN	2784	K7	FD	JOHN	2420	W8	GAC	JOHN	4043
WD9	DDM	MATT	1412	KM5	EJ	JD	3393	KA2	FDA	GENE	3048	WA1	GAG	TOM	3278
WB5	DDM	NEIL	1942	WD4	EKB	DAVE	3000	K4	FDK	JOHN	4015	K5	GAT	KEN	3069
KF4	DNL	AL	2577	N5	EKC	STEVE	2566	W8	FDV	JIM	1959	KA4	GAV	BILL	4089
N1	DNM	GEORGE	1445	WA1	EKR	FRED	2743	N0	FDX	DONALD	3403	W7	GB	DON	2108
K2	DO	DIANE	3330					KE1	FE	GIL	3492	KE4	GBE	MIKE	1911
W6	DOB	SPIDER	3604									KC8	GBM	MIKE	3311
												K9	GC	GREG	1578



W1	GCA	DAVE	2610	KA0	GZO	ROB	2336	VE7	HWR	GERRY	3207	N1	IVH	JIM	2729
KA7	GCZ	JOE	1956	AF9	H	PATTI	1785	K4	HXM	GEORGE	2030	KS7	J	CASEY	3648
KF6	GCZ	HAP	3463	NN2	H	KAY	2424	WA6	HXM	PETER	2329	AA1	JA	YUZURU	1543
N4	GD	GERALD	1019	NS2	H	DICK	2508	W4	HZZ	WILLARD	2673	KB9	JAI	DWIGHT	2765
WA5	GDF	FRANK	3691	WB3	H	MARK	2614	KF4	HZZ	DAVE	2612	KF6	JAO	JACQUI	2330
K1	GDH	ED	3490	KE0	H	WESLEY	3895	KE4	HZM	RICHARD	1554	W7	JAT	VERN	1002
KK7	GE	ERIN	3218	AE3	H	CHARLIE	4024	KB2	HZO	FRED	2179	KB2	JAX	LYLE	2936
VE4	GEC	GLEN	3158	WG1	H	AL	4059	AE8	I	KEN	1913	W5	JAY	JAY	3581
W4	GEK	CHET	3351	KC5	HAC	JAMES	3893	AE5	I	TOM	2083	K5	JAZ	JIM	2058
AC5	GG	LEE	2509	KB4	HAH	GENE	3423	KX9	I	ALEX	2569	KA9	JBD	MIKE	2404
W6	GG	BOB	2766	N3	HAM	JERRY	3402	NN6	I	WILLIAM	3116	N4	JBW	MITCH	3206
KB0	GGQ	AL	3385	KF4	HAW	DAVID	2726	AB7	IA	ROBERT	2539	WD4	JCB	ROB	3034
KC8	GGU	CRAIG	3822	WB1	HBE	JOHN	2061	AC5	IA	DOC	3284	W4	JCH	JERRY	2412
N4	GHI	GERI	2448	N3	HBJ	GEORGE	2780	KE4	LAR	BRIAN	3636	WA8	JCU	WAYNE	3878
KA2	GHO	ED	3195	WB8	HBJ	ROGER	2947	KK5	IB	BARRYL	2416	KG9	JD	JERRY	2176
W7	GHO	GLEN	4102	WD0	HBW	DICK	3380	K7	IB	HARRY	3255	N5	JD	JACK	3267
KF9	GI	BROCK	2451	K9	HBV	JOHN	3641	N0	IBT	DAVE	3987	K8	JD	JOHN	3853
N8	GI	LARRY	2630	KF9	HC	RICHARD	3633	AE4	IC	BOB	1961	W1	JDI	CHARLES	4199
N3	GJM	JOHN	3663	WD0	HCO	BIZ	1929	N0	IC	NEMO	3550	N1	JDP	ROD	2052
KA2	GJV	BRUCE	1017	K2	HD	ED	2790	KG2	IC	BRUCE	4164	W7	JED	JED	4098
KF6	GKR	TERRY	3104	KB2	HBJ	RAY	2901	K8	IDN	STEVE	2441	VA3	JEF	JEFF	3100
KB9	GKX	"RJ" "BOBBI"	3388	KB7	HDP	PAUL	3191	KS4	IE	BEN	3087	N5	JEF	MAC	3411
N2	GLH	STAN	4121	KF6	HDQ	BEV	4162	KG8	IE	SCOTT	3680	VA3	JEG	JIM	3481
KD5	GM	LOUIS	3606	KG9	HE	JOHN	2501	KB5	IEU	CHARLES	2051	WA0	JEN	RON	3009
KL7	GN	GORDON	2144	KF4	HEE	GARY	3699	N7	IF	STEVE	3398	W6	JEP	MARIE	2007
KT4	GN	CHUCK	2558	WB2	HEK	BART	3348	WB2	IFE	ELAINE	2026	KW3	JF	BILL	0655
KF4	GNN	RON	4100	N0	HFF	BILL	1239	KA4	IFF	ESTHER	0011	K2	JF	JOHN	3864
W7	GO	TONY	3354	WD5	HFI	JIM	4211	K8	IG	RICH	3306	KCS	JPO	RAND	2679
W1	GO	TOM	3602	K4	HFJ	PAT	3434	N9	IGE	GENE	4152	N0	JFZ	FRED	3859
KC8	GOJ	ROGER	3952	K0	HFK	BILL	4104	KC8	IGY	TOM	3969	AE4	JG	MIKE	2332
VE2	GOO	TONY	0864	KG2	HG	RICK	2718	K14	IH	FRANK	1938	KM5	JG	TERRY	3561
NP2	GP	GREG	1292	N8	HG	HANK	3016	K9	IH	WARREN	3408	N8	JG	JAMES	4106
W4	GP	MARK	2941	KM5	HG	GARY	3931	N0	IHM	WES	2952	WB2	JGH	BOB	3515
KC4	GPJ	MOOSE	2652	KF6	HGE	GARY	3674	KA1	IIQ	STAN	1974	AC5	JH	TOM	2507
AL7	GQ	GENO	1984	K0	HHB	TOM	3441	W8	IIS	LARRY	1777	W6	JHB	JIM	3159
N5	GQ	BILL	3616	KC8	HHH	BEN	3390	KC5	IIX	HOWARD	2700	KS4	J1	GARY	1774
AA8	GQ	HELMET	3891	W1	HLJ	BILL	3178	W8	IJ	DAVE	3825	N8	JIM	MARGIE	1231
KB4	GQA	JACK	4224	AA1	HJ	DAVE	1569	KC6	IJE	"TM"	3357	W3	JIM	JIM	3899
KB0	QGD	JIM	3012	N0	HJ	JOHN	3184	N3	IJR	KARL	1013	KB0	JIT	PAUL	3981
KB9	GQX	NORMAN	2538	W3	HK	GEORGE	1420	AA1	IK	ERNIE	2644	N8	JTW	DON	1515
AC6	GR	JAY	2097	P43	HK	HUBERT	2989	W1	IK	WILLIAM	4063	N9	JTY	MIKE	1282
W2	GR	MICHAEL	2945	K4	HL	LES	3081	AA9	IK	QUENTIN	4112	VA3	JJ	JOHN	3935
KK7	GR	DAN	3668	K1	HLG	BILL	3374	KC5	IKG	MARY	3871	WA4	JJH	WYATT	1018
WB3	GRE	GREGORY	4148	N3	HLM	MIKE	1480	VE3	IKS	PAUL	3334	WB4	JJJ	ALAN	2433
W6	GRF	GEORGE	1783	KC5	HLO	BOB	3474	N8	ILN	DENNIS	3233	WB3	JJK	TOM	3127
N8	GRM	KEN	2688	K5	HLR	JOE	1962	K6	IME	LEE	4036	KE6	JJR	MARK	3265
K8	GRN	HERB	3336	K7	HLR	RAYMOND	4191	WB2	IMO	JORDY	2497	P43	JK	JOAQUIN	4113
KB9	GRN	RICHARD	3689	KE4	HLU	MIKE	4139	N2	IMO	EDWIN	4091	N5	JKY	MIKE	2626
W7	GS	GLENN	2976	W9	HMR	PAUL	4163	KK5	IN	RICHARD	3839	K17	JL	LARRY	3181
KM5	GS	MICHAEL	4085	W5	HNS	HENRY	3010	VE3	INB	GEORGE	2000	W0	JL	CARL	4103
W6	GSE	ED	3107	AA1	HO	ARTHUR	1283	N3	INT	BILL	2659	KA0	JLF	DON	1979
KN2	GSJ	GEORGE	1538	N4	HO	HARRY	1559	W8	IO	BOB	2692	WD8	JLI	JEFF	3268
K7	GT	GRANT	3222	AA3	HO	ARNOLD	2661	AA0	IQ	CLAUDE	1211	KG2	JM	JERRY	1904
KD4	GTM	KAREN	2407	N5	HOG	JIM	2436	K9	IQ	JOHN	2524	W8	JMA	JOHN	3454
KC8	GTX	MICHAEL	3975	N1	HOG	BOB	3142	N4	IQ	BILL	2572	KB6	JMJ	TOM	2921
W1	GU	MICHELLE	3438	KE4	HOS	RAY	2028	KA0	IQT	JIM	1241	VE3	JMY	MURRAY	3523
K1	GUG	DICK	2965	W0	HPD	JIM	3915	W4	IRE	JOHN	1906	KD8	JN	RANDY	2543
KF6	GUH	BECKY	2961	K10	HQ	ED	3427	W9	ISC	JOHN	3340	K8	JN	FRANK	3644
W0	GV	GERRY	1931	VE5	HQ	BILL	3664	KB9	ISR	WAYNE	2761	N6	JO	JOSEPH	4079
VE7	GVC	CAVE	3238	W5	HQL	BOB	3599	KG0	IT	BILL	3341	WB6	JOB	GEORGE (GW)	3513
K2	GVC	WILLIAM	3243	N0	HQN	DOUG	3653	N3	ITF	ALAN	1038	WD8	JOH	JOHN	2749
K6	GVG	TOY	3026	KB5	HRS	PETE	1206	KE4	ITN	TOM	3433	KH6	JOI	RAY	3953
N0	GVY	BILL	2676	KD4	HRT	DOUG	4082	N1	ITW	DICK	1492	WD8	JOL	PARKER	3043
KB9	GVY	BOB	3290	K1	HS	PHIL	3317	K2	IUC	DANIEL	4155	K8	JPM	BOB	2997
AC6	GW	JOHN	3670	N7	HSD	ART	1269	W4	IUI	MERT	1793	VA3	JPM	JIM	3827
K10	GW	JACK	4060	K5	HT	GEORGE	1730	K2	IVG	GEORGE	3024	WA8	JPR	BILL	3215
KC8	GWG	RICH	3986	K9	HT	DAVE	3389	KB9	IWF	STEWART	3905	KB4	JR	BERNIE	3501
WA1	GWH	GARRY	3846	KD6	HTV	CHRIS	3055	N8	IX	RIC	2005	K8	JRE	FOE	4189
KC5	GXC	LAWRENCE	2032	W4	HU	JOHN	3166	AE4	IX	RICK	2499	KB0	JRJ	BILL	3546
VE3	G XU	DUNCAN	3092	WD4	HUL	SIDNEY	3540	KD2	IX	FRANK	3335	N6	JRL	DON	2470
KA9	GXZ	FRITZ	3054	AA1	HV	ZOEL	1291	KB5	IXI	LEE	3637	KF4	JRO	BOB	3079
KE4	GYU	GUY	2649	KG9	HV	JOHN	1750	KA5	IXR	DAVE	2687	N4	JS	JOHN	2781
N4	GYX	DOC	2070	KK4	HW	JULIUS	1426	KB9	IXT	KEN	3196	W2	JSF	ROBERT	3855
W0	GZ	GENE	3052	AE4	HW	ED	4124	N6	IXZ	JOEL	4229	N8	JSK	SCOTT	2561

KE4	JSL	JACK	2754	N4	KTW	CHARLIE	3484	W7	LPF	JOE	2463	VE2	MJE	MIKE	2156
N8	JTE	DEL	2426	KU0	KU	JACK	3933	KE6	LPQ	JIM	2429	W2	MJP	JERRY	4034
W4	JTU	BERT	1999	WB6	KUG	BERNIE	3037	W8	LQ	CHUCK	1477	KA2	MLV	CURT	2020
AC5	JU	JIM	3431	KF4	KUO	STEVE	3275	K6	LQI	TOM	3932	KF4	MLV	BILL	3359
AA3	JU	GEORGE	3851	WB2	KUT	JACK	4109	K8	LQM	VINCE	2042	N1	MKE	GEORGE	3121
AA3	JV	CRAIG	1573	K5	KV	BENNY	2397	KA1	LQO	GEORGE	3902	KC5	MLV	JAY	2918
K8	JV	JIM	2372	N4	KVA	HORACE	2408	KD4	LRP	ROB	3455	N6	MLW	DAVID	1263
W4	JVG	ANDY	3541	KB9	KWA	TOM	3580	AA9	LS	JIM	2198	N6	MM	HARVEY	2194
K0	JW	STEVE	3344	N7	KX	BOB	3046	KF4	LSG	MIKE	3534	KE8	MM	FRANK	2992
K9	JWI	CLYDE	3051	KE4	KX	JIM	3241	KB9	LSH	RONALD	4004	KB8	MMA	YVONNE	3461
N5	JWL	DICK	2510	W1	KX	BILL	3437	KC7	LSN	LORILLE	2014	N5	MMB	FRANK	3844
K8	JWR	DAN	3375	AB4	KX	BRYAN	3542	KB9	LSZ	LEE	2428	WA7	MMG	ART	2322
KM5	JX	JACK	3419	WL7	KY	CHRISTOPHER	4170	K3	LT	LARRY	2008	W8	MMM	MICK	3060
K9	JXW	JIM	2325	K4	KYO	TONY	2378	W4	LT	GEORGE	3227	N7	MMN	NEWELL	4092
WB6	JXY	TED	3209	KE4	KZV	A.S.	4105	W0	LUH	CHUCK	3692	KB2	MMO	MIKE	3228
K2	JY	STEVE	3432	WX3	L	MIKE	1256	K3	LU	ULISES(tisnw)	2555	VE3	MMQ	GEORGE (gotua)	3030
KB9	JYN	W. Indiana Digital	2955	WA2	L	ANDREW	1262	KA7	LUH	CARL	1932	W3	MNE	LARRY	3803
KK5	JZ	LOWELL	3299	A19	L	JESS	1772	N8	LUX	PAUL	3020	N2	MNN	STEVE	3150
K6	JZD	LOU	2962	AE2	L	JOSH	1912	W9	LUY	HACK	2999	N6	MNZ	MARK	4056
N1	JZO	BOB	3595	WO8	L	RICK	2188	KF4	LVE	KEITH	2722	K7	MOA	KEY	2456
NN9	K	PETE	2047	WS0	L	JESS	2928	W4	LVP	BILL	3247	W8	MON	DON	3140
NS7	K	RICH	3175	NN3	L	ROBIN	3414	K0	LWV	LARRY	2589	KB8	MOU	STAGNO	4160
KD4	KAV	J.P.	3514	WJ2	L	BILL /4	3493	AA3	LX	BRUCE	2525	W1	MOZ	BOB	4041
KA1	KAX	CARL	3872	AD8	L	ROBERT	3873	VE1	LX	LARRY	3665	K0	MP	BILL	3073
AA1	KC	LON	2022	KS4	L	BILL	3914	WA4	LXP	JOE	3862	K3	MP	MARK	3903
KT4	KC	RICK	2458	KA2	LAE	SEYMOUR	3661	W2	LYH	BOB	2758	K0	MPC	LARRY	3527
W8	KC	PAUL	3973	N0	LAG	GEORGE	3482	KB9	LYM	JACKIE	3444	N2	MQ	DEBBIE	3900
AC4	KD	HARRY	3211	W4	LAN	EILAND	4187	K8	LYR	JOHN	2312	K4	MR	BRAD	3377
AA3	KD	CHRIS	3240	KB0	LAO	BILL	4183	NT1	M	ARTHUR	1222	AA9	MR	JEWEL	3682
K3	KDC	JIM	3112	W6	LAX	ROGER	3910	NU1	M	DAN	1722	N8	MR	MICHAEL	3877
KA2	KDJ	GARY	1792	KK7	LB	RICH	1990	WX7	M	PATRICK	2493	N1	MR	MARK	4212
KB8	KEJ	CHER	1511	KJ7	LB	PAUL	2453	KC0	M	LARRY	2528	K4	MSG	PAUL	2628
WA4	KER	HOWARD	3961	N3	LBC	JOE	1558	WB4	M	BUDDY	2537	WD4	MSM	BARRY	2681
VA3	KEW	KEN	1924	N9	LEC	JIM	3063	KS0	M	DICK	3067	KB7	MSM	DAVE	2725
AA1	KF	JOE	1734	W6	LEE	LEE	0739	NJ1	M	DICK	3282	KA3	MTJ	CLARENCE	3326
KK4	KF	BILL	2390	W3	LEN	LEN	1043	WZ3	M	MARILYN	3817	AA1	MU	CRIS	1928
K8	KFJ	GARIE	1732	K8	LEN	PATRICK	1494	W4	MA	BILL	2623	KF2	MU	OTTO	2328
KB9	KFZ	BUD	2567	KE8	LF	LARRY	2606	W9	MAL	MAL	4161	AA9	MU	MARK	2576
KE4	KGB	JOYCE	2380	N5	LF	ALAN	3027	W7	MAP	CHARLES	3507	N9	MU	ROBERT	3856
KB9	KGI	FRANK	3061	KB8	LFA	JEREMY	3065	KC7	MAX	DARRYL	2442	N2	MUT	ARTHUR	3897
K0	KGS	BILL	4120	W8	LFJ	KERM	1794	KF6	MBG	KEVIN	3993	KB9	MUO	AL	3480
AA9	KH	JAY	2377	KB9	LFR	BOB	2464	WA4	MBV	CHARLIE	3814	W9	MVB	BEN	4086
N1	KHM	KENNY	1288	AB4	LG	RICHARD	2459	W1	MCG	EDWARD	4055	W8	MVN	ERNEST	1527
KK7	KI	JOE	2717	N9	LGG	LARRY	4171	KB8	MCI	JODY	4051	N1	MOV	GENE	3270
AC5	KI	DALE	3875	KB9	LGJ	TIM	4130	N9	MCQ	MARK	1579	KB7	MVZ	JUDY	1973
KB8	KIK	CHUCK	4031	N9	LGP	DAVE	1050	KG2	MD	ED	3608	AA8	MW	RONALD	3655
W8	KJ	KEVIN	3830	W8	LHG	RALPH	0794	KC5	MDD	JOHN	1957	KT4	MX	WALT	3339
VE6	KJL	KEN	2167	KE4	LIA	GERALD	2143	K8	ME	DWAINE	1466	KC5	MXH	KEVIN	2592
N9	KJU	KEN	3329	W2	LID	DJ	4095	N3	MEE	DALE	1425	W7	MXQ	ROD	3163
KG9	KK	RAY	3164	W4	LIF	CHARLES	3938	K8	MEG	RICH	1790	K5	MXQ	GEORGE	4141
AA8	KK	OTTO	3948	K8	LJG	JOHN	1460	K4	MF	GARY	2580	W9	MYZ	AL	2773
W8	KKI	TOM	3949	WB2	LJG	NATE	2039	LU3	MFE	EURIQUE	3106	KB0	MZF	JAMES	3659
KB4	KKL	MIKE	3840	WA4	LJJ	DOUG	3592	KB4	MFO	STEVE	3901	KB9	MZK	DAVE	3406
VE3	KLM	FRANK	3232	KE4	LJS	JAY	2381	N1	MFR	GARY	1299	NU4	N	DAVE	2115
KJ0	KM	BOB	2141	VA3	LK	LARRY	2752	N8	MFY	HAL	2473	NW3	N	RICH	2504
W6	KN	KEVIN	3089	N3	LKS	GEORGE	1235	N8	MG	MARTY	1760	KB1	N	JERRY	2582
AA0	KN	MARY	3183	WH6	LL	CHUCK	2596	AE4	MG	BARBARA	2018	NU3	N	CHARLIE	2756
N4	KN	THURMAN	3671	KX8	LL	JOHN	3146	KJ5	MG	DONALD	2060	AK8	N	ROBERT	3959
N6	KND	KEN	3808	KG2	LL	JERRY	3291	KM5	MG	RALPH	4179	KD2	N	OUS	4027
N7	KO	RICK	3362	KU4	LL	DAVID	3962	KA7	MGM	MARVIN	3940	K8	NA	TED	1415
W3	KOD	HARRY	2935	KB0	LLZ	BUDD	2053	WD8	MGO	FRED	4061	AE4	NA	JIMMY	2190
N7	KOJ	JOEL	3924	AA3	LM	COLIN	1948	N3	MGS	DICK	2101	AA9	NA	LYNN	3349
K8	KQ	RALPH	2180	KM4	LM	JIM	2518	VP2	MH	LAWTON	2554	KK5	NA	JOE	3517
WB8	KQJ	KEN	1907	KK5	LM	WES	3469	N8	MHV	CONRAD	1295	WA2	NAF	FRANK	2431
WA4	KQL	GARY	2534	N2	LMC	KIT	2055	AA8	MI	GENE	0914	KE4	NAY	JIM	1981
KG0	KR	ELIZABETH	1592	KF4	LMU	ROLAND	4220	KC1	MI	JOHN	1491	WB4	NBI	STEVE	3004
AA3	KR	BRUCE	3308	WB2	LMV	GLENN	2724	W2	MIE	CHRIS	2744	KC7	NBM	PAUL	2334
W7	KR	JERRY	3815	N1	LN	BRUCE	3525	WB9	MII	GREG	3347	AF4	NC	TOM	1741
KM5	KR	CHARLES	3945	WP4	LNJ	JULIO	2396	W7	MIO	ERMON	2085	K5	NC	WALDO	3356
W5	KRP	LEO	3080	KG2	LO	ROLAND	2980	VE3	MIO	BILL	3025	W6	NCK	LEON	2771
KF4	KRV	ED	2964	W2	LOB	JOE	3630	WD4	MIS	JOHN	3167	N1	NCY	JIM	3252
KF8	KS	STEVE	3141	KB8	LOI	FRANCIS	2062	KA6	MJB	JOHN	3551	KB9	NCY	ROBERT	4131
WA8	KSS	RALPH	1417	WA5	LOI	JOHN	4144	WA0	MJD	DUANE	3156	K4	ND	PAT	2669
AB7	KT	KEN	1755	KB0	LOK	JEAN	2764	VE3	MJD	BRIAN	3916	KA7	NDX	AL	1784

KA8	NDY	DAN	3974	W0	NYG	BILL	3923	KB0	OUV	TIMOTHY	4147	N3	PUR	MIKE	3131
W7	NES	ROY	4158	KF4	NYZ	CRAIG	3907	KB9	OVS	ART	4065	W5	PV	GEORGE	3802
W0	NF	PAM	3072	WA2	NZO	JOHN	3684	WA2	OVT	ROBERT	1472	KB2	PVC	KEITH	3071
AC5	NF	STEPHANIE	3445	W4	NZP	BILL	0911	W6	OW	JIM	3003	N1	PVP	MARINO	1770
N3	NFL	DAVE	4114	WZ0	O	RICHARD	1526	W5	OW	BEVERLY	3188	KD8	PW	CURT	2065
K8	NFT	BILL	2624	AE3	O	PACKY	3136	K8	OW	ARLAN	3333	K0	PW	PUL	3488
W2	NGB	CHUCK	3286	W4	OA	MITCH	1467	WB8	OWM	SKIP	2415	AA3	PW	JIM	3585
KB9	NGF	MIKE	2585	KE4	OAR	CHUCK	3019	W6	OWP	BART	3372	W4	PWA	BILL	3963
N1	NGM	NORMAN	1273	N5	OB	O.H.	3489	KJ7	OX	BRIAN	1575	KE6	PWJ	BILL	3472
W3	NGO	RICHARD	4016	KC5	OBI	DALE	2929	KA1	OX	WAYNE	2489	KB7	PWJ	ROB	3583
KE4	NGS	DAVID	2373	VE2	OBK	BOB	1481	N4	OXZ	ROGER	2926	WA9	PWP	PAUL	2153
KB8	NHI	DALE	3675	AC5	OC	DALE	4210	KD4	OZB	REY	4045	KF4	PYF	ED	3353
KB2	NIF	PAUL	3483	WA2	OCG	MICHAEL	3098	KB8	OZV	ROSE MARY	3315	K6	PYP	SCOTT	2485
W4	NJK	CHARLES	0908	KF4	OCJ	RICK	3618	WB8	OZX	MAC	4218	K6	PZE	DICK	3451
W0	NJZ	KEITH	2925	KC4	OCS	DON	1224	AE4	P	ELLIOTT	1788	AC4	Q	PHIL	3123
W6	NK	RUSS	2906	WB8	OCV	DON	1508	WK3	P	HERMAN	2353	WN6	Q	AL	3134
W5	NK	BOB	3208	W7	OD	BOB	3983	N16	P	PAUL	3153	WW6	Q	ROY	3613
WB5	NKC	ARLEY	1986	KE4	ODE	FRED	2309	KE6	P	MARC	3160	N08	Q	TOM	3874
WB5	NKD	PAT	1987	N0	ODK	MIKE	1947	AG5	P	WALTER	3259	WQ1	Q	MAC	4005
W6	NKE	KEN	0818	N1	ODL	ARON	4110	WD3	P	LARRY	3294	K3	QA	RONALD	1504
W6	NKR	M.H.	3295	W5	ODR	CHARLES	3860	K2	PA	LUIS	3260	W8	QA	JOHN	3917
AA2	NL	RICH	3342	N5	OE	CARL	2552	KB7	PAD	MARION	3102	WB7	QBC	JOHN	2796
W9	NLA	MAC	3610	W4	OEL	SHEL	3157	KB8	PAO	HOWARD	3075	W2	QBR	DOC	1996
KC5	NLD	BRAD	2465	WB7	OEM	CHARLES	2599	N2	PAX	SONIA	3006	KB5	QBU	DON	2750
N8	NLE	JIM	1756	N6	OF	DAVE	1214	W4	PBL	FRANK	3430	N2	QCE	JOHN	3288
N8	NLK	DAVE	1455	KE4	OFN	CHARLIE	2678	W8	PBO	ART	0866	W8	QCU	DON	3318
K3	NLT	RUSS	3273	W4	OGG	DAVE	2907	K7	PBT	DICK	4058	KT4	QD	JOHN	2732
N1	NM	AL	2399	N9	OGI	STEWART	2308	WA6	PBY	DAN	2949	WB7	QEB	GAYE	4176
AL7	NM	ART	2680	KE4	OGI	ED	2958	K3	PBY	CHUCK	3634	W5	QEE	AL	1980
W0	NMB	PAUL	2013	N3	OGT	ANDY	3575	N8	PD	PAT	4119	N3	QEN	RICK	1971
N3	NMP	FRANK	3503	KD4	OGV	CHARLES	1587	N2	PD	PAUL	4215	KF4	QFF	MARK	3908
WB4	NNC	ALBY	2909	W4	OGZ	LARRY	3254	AA1	PD	GEORGE	4238	N4	QFL	TOM	3676
N3	NNH	ANDY	1428	KF4	OH	GEORGE	2130	WB7	PEI	BOB	1733	KD1	QG	BRUCE	1227
WA8	NNQ	RICH	2686	N8	OHC	BILL	1737	N4	PEJ	BOB	3520	AB7	QG	TERRY	2551
KD4	NNU	CLAYTON	3662	KB8	OHF	TIM	1523	KC4	PFU	JOHN	2187	AE4	QG	MARK	4206
KD6	NOF	BUD	2321	KC5	OHK	DONNA	2611	N0	PFY	MARK	4154	KC7	QGC	JAMES	4159
KB9	NOX	DICK	2978	N5	OHQ	JOHN	3210	K2	PG	PHIL	2995	W6	QGD	EARLE	4013
W4	NPL	PAUL	3399	KA3	OHV	BILL	2149	K7	PGL	RANDY	3858	KC7	QGE	VERN	3819
W3	NQ	DOUG	2100	KC7	OIA	ROB	3193	KB8	PGW	JOHN	4097	KC5	QGI	JO ANNE	3269
K8	NQC	BILL	2634	KB2	OIC	BILL	2902	KF2	PH	NICK	3199	KB8	QGV	HOMER	2619
KJ7	NR	STEVE	1530	WD8	OIM	LOUIS	3879	KC7	PHG	TIM	2705	KB0	QGX	VICTOR	3810
K4	NR	TOM	3458	KE6	OIO	DORTHEA	3364	KB8	PHO	SANDY	3320	W6	QHL	THOMAS	3603
KC5	NRB	JERE	2439	WA2	OJN	WILL	2468	KQ6	PI	TIM	4048	K9	QHO	MIKE	3988
KJ7	NS	PHIL	2602	KC5	OJT	JOHN	3906	KB7	PIM	JOHN	3547	KE4	QHV	JAMES	3558
KQ6	NS	DAVID	3594	W3	OKN	MERLE	1281	VE3	PIO	OSCAR	3894	KB6	QIB	WALT	3287
WA5	NSF	LARRY	3956	N0	OKS	MARK	3212	N7	PIP	MARSHALL	4167	KA2	QIK	PHIL	3504
N3	NSL	TIM	3139	AA1	OL	BRUCE	1966	AA8	PJ	JEFF	3401	K4	QIL	HENRY	2137
WB2	NSN	PETER	3201	KF6	OLA	JON	4136	WA2	PJF	VITO	3124	KC5	QIQ	KEITH	2946
WA3	NSR	BOB	3396	W6	OLD	DICK	1521	WA6	PJQ	DOUG	3035	VE1	QJ	MAURICE	3176
KE2	NT	MICHAEL	1031	W1	OLK	RALPH	3466	WD8	PKI	LARRY	2748	W5	QJM	FRED	3231
W9	NT	GURNEE	1955	KB7	OMU	JOHN	2199	N0	PL	PAUL	3843	W8	QJT	ED	2304
AC6	NT	ERIC	2621	N0	OMX	KEITH	4133	KB2	PLW	RANDY	2348	W6	QJZ	TOM	2425
N4	NT	MIKE	2657	KF2	ON	WILLIAM	1570	N3	PM	JOE	1268	W0	QKR	LOU	3084
N6	NT	BRUCE (z8bs)	3325	N3	ON	CHUCK	2730	N6	PM	GREG	1568	AA2	QL	FREDDIE	4054
KB0	NTD	CHAS	3186	N4	ONT	BARRY	4219	KT4	PM	JOSEPH	4142	N1	QLF	MARGIE	1533
KB8	NTE	BILL	1744	W0	ONU	JIM	2445	KA7	PMD	STEVE	4230	KE4	QLH	DAVID	3387
WA7	NTF	GARY	3951	KB8	OOM	SAM	1582	W3	PNL	JOE	3569	W7	QM	AL	4017
W2	NTS	ED	2087	KB4	OPV	JERRY	2974	KD6	POC	ADAM	3366	W1	QMK	RICHARD	1700
N1	NTZ	ED	3898	W0	OPW	PATRICK	3829	K8	PP	FRED	1495	W6	QMU	DOYLE	4046
N5	NU	JASON	2545	KA8	OQF	CHARLIE	1478	AA0	PP	JIM	2175	AC6	QO	CLAIRE	1992
KF4	NUB	JEP	3967	KT4	OR	RICHARD	2691	KG0	PP	JIM	3989	KG8	QO	BOB	2111
W6	NUC	DAVE	3966	KO4	OR	BOBI	3487	KC7	PPF	JIM	4029	N3	QOL	TERRY	2568
KC7	NUP	KELLY	2432	WA7	OR	OWEN	4074	KE4	PPI	PETE	1799	KC7	QOP	LEE	2977
WA6	NUT	RICHARD	3115	KC7	ORH	JIM	3378	KC5	PPO	GARY	2924	WB0	QQT	STEVE	4239
KB6	NUY	WALTER	2953	AD4	OS	KEN @ W9YB	1787	AA8	PQ	NEAL	2389	W6	QR	BILL	1252
AC6	NV	HARM	4107	KS4	OT	JIMMY	1903	N5	PRF	JOHN	2704	W9	QR	LARRY	1474
W5	NVK	ERNIE	4226	N4	OT	ANDY	2613	K5	PSH	JERRY	3587	K0	QR	RICK	2662
W6	NVN	GEORGE	3896	WA3	OTC	CHARLES	4145	N1	PT	DAVID	2560	AE4	QS	HARRY	2939
N9	NVV	LEE	1728	N2	OTG	BOB	3690	KF4	PTB	JERRY	3865	W2	QU	DAVE	2427
AC4	NW	RICHARD	3108	K8	OUA	PETE	1254	K4	PTU	WYATT	2178	K9	QVB	JOHN	1047
K8	NWD	TIMOTHY	4084	KC7	OUC	Clearfield Syracuse	2797	WA3	PTY	AL	3151	KB0	QVB	RICHARD	1584
W7	NWP	HOMER	3849	N3	OUE	JOHN	2011	K7	PU	KEN	2354	AA1	QW	BRIAN	3884
N3	NY	JOE	2025	N9	OUH	PAULETTE	2368	K5	PU	DICK	4116	VE6	QX	WAYNE	3130
WA5	NYG	RICH	2607	KB0	OUT	PATRICIA	4146	KD4	PUP	JERRY	1946	KF2	QY	CHET	1278

N1	QY	RON	2968	W5	RPJ	PHIL	3863	KF4	SLZ	BECKY	4088	KC5	THR	JOHN	2795
K6	QY	GERALD	4166	KC6	RPK	BILL	3529	AA2	SM	BOB	2434	KA3	THS	PAT	3816
KA5	QYR	JOHN	2488	K6	RPN	DOUG	3508	AB7	SM	JIM	3171	N8	TI	JOE	1016
KB0	QZ	MARTIN	1780	KA9	RPR	PAUL	1485	N1	SNH	HENRY	2706	KA7	TIF	JUNE	2006
K06	QZ	DENNIS	4032	KB0	RQN	CHERYL	2092	WA5	SNL	GILLY	2791	VE3	TLJ	DAVID	3049
KE4	QZB	BRIAN	1934	AA1	RR	PAUL	3446	WA7	SNY	DICK	2553	N4	TJL	JOHN	3297
N2	QZQ	JOE	2636	KA3	RRB	RONALD	2533	K5	SO	CARL	2782	KA7	TJU	SYLVIA	3941
NJ8	R	RICHARD	2067	W2	RRJ	JACK	3985	KC5	SOC	VICKY	3095	W5	TJW	BILL	2057
NY3	R	BILL	2452	N3	RSD	FRANK	2411	N0	SOT	BEN	3086	AB7	TK	RANDY	3251
NF7	R	DON	2734	WA0	RSX	CARSON	1939	K15	SP	KEN	3059	AA8	TK	EVAN	3327
W10	R	TROY	3154	N5	RTF	TOM	3573	N9	SQT	ALLAN	3453	WB8	TLC	CRAIG	3091
AH7	R	MIKE	3225	W8	RTN	LEE	3125	KC7	SRL	KURT	3352	KB8	TMR	ESTHER	3039
WB2	RAR	RICH	2126	W6	RTO	JOHN	4090	K6	SRZ	ALAN	2536	W8	TMS	ART	2184
N8	RAR	WAYNE	2716	N3	RTR	ROB	2930	AA9	SS	JOHN	1483	N2	TNN	DEAN	3245
N1	RAY	CHARLES	1591	N0	RTU	MIKE	2305	K4	SSC	GEORGE	3090	KC7	TNT	JOE	4213
VY2	RB	DICK	1410	K06	RU	CLAUDE	2150	N9	SSG	DAVE	2365	WA4	TNV	CLAY	2450
W1	RB	BOB	2682	AA8	RU	EDWIN	3658	KC7	SSN	ED	3038	N1	TNX	JIM	4008
AA0	RC	DOC	4039	W5	RUK	GEORGE	2440	KT4	ST	ARNIE	2940	AC6	TO	STAN	2695
WA6	RCH	JOE	2665	N6	RUO	STEVE	2923	KA1	STU	BEN	2113	KG8	TO	DAN	2713
W2	RCM	RICH	3415	AA8	RV	MIKE	1046	W6	STU	GLEN	3631	WA4	TOJ	MARVIN	3224
KD4	RCY	DAVE	3244	N1	RVQ	LAURIER	4002	W4	STX	BILL	3921	KE4	TOY	KEVIN	2461
VE5	RD	BOB	0907	KA1	RVV	TOM	2169	AA1	SU	PAUL	4028	KF2	TP	RICK	2191
N7	RD	RD	2714	W6	RVY	RALPH	3149	KB2	SUE	JOHN	1967	W8	TP	TED	2403
KC5	RDC	CHARLIE	3428	K6	RW	GEORGE	3497	KC7	SUI	NORMAN	3885	W1	TP	TOM	3312
K0	RDF	ROBERT	4185	W2	RWH	CARL	3409	N3	SUS	ED	2395	W6	TPE	ED	2605
KD6	RDO	GLEN	2788	AE4	RX	AL	2712	K4	SV	LIN	1940	KF4	TPT	PHIL	3977
K4	RDU	BOB	1264	AA1	RX	NEL	3135	N2	SV	STEVE	2104	K06	TQ	CINDY	3543
W0	RE	JIM	2776	KD4	RXO	KEITH	2073	KE2	SV	NEIL	4126	VE3	TQE	BOB	3194
N2	RE	HAL	3510	KC7	RYE	DON	3559	KB7	SVA	DAVE	1549	KA8	TQR	DENNIS	4137
KC5	RED	GEORGE	4122	KA2	RZL	JOHN	3601	N9	SW	GENE	1202	N0	TR	TOM	2387
N2	REL	BEN	1976	WX4	S	ED	1516	KB2	SWI	CHUCK	1964	N9	TRK	STEVE	1915
N2	REM	RAY	2342	KD5	S	MARTY	2650	N6	SWJ	MARTY	3578	KE4	TSS	ED	4062
N3	REY	JOHN	2937	KF8	S	STEW	2683	WN1	SWR	TED	2490	W1	TT	ARNOLD	1027
KH6	RF	REESE / RJ	3824	NC5	S	ED	3506	K2	SWZ	BERNIE	0748	K04	TT	STEVE	3180
KC7	RFK	ERIC	4044	KF1	S	PAT	3828	KE8	SX	PAT	1927	N6	TT	STEVE	3880
KC5	RFM	ARCHIE	2595	NC4	S	GARY	3834	KF4	SXG	BILL	4101	N2	TTL	JAY	2740
N9	RFR	DON	2462	N8	SA	WILLIAM	3681	KA9	SXH	TERRY	2616	N9	TTT	SHELLA	2078
N1	RFW	PHIL	4135	KC5	SAM	VIRGINIA	2911	KF8	SY	ED	1720	KB7	TTY	BOB	3418
KF8	RG	KEN	1556	KC4	SAM	GIFFORD	3881	AA9	SY	BOB	2157	KF9	TU	GREG	1228
KF2	RG	GEORGE	2043	K2	SB	STEVE	1462	W3	SYR	BOB	3058	N0	TU	STEVE	4117
WA0	RGG	BUD	3991	K9	SB	TIM	3223	K7	SZ	RICH	2793	AB7	TU	TOM	4228
KC5	RGQ	PAUL	3155	WA6	SBB	GALEN	2394	W0	SZF	VERLE	4014	KA5	TUF	BILL	1430
KB8	RHG	SARA	1418	N8	SBN	FRANK	1496	K1	SZK	FRED	1020	K6	TV	TOM	4201
KG0	RI	CHARLIE	1482	KB8	SBW	CHUCK	2038	N9	SZM	DAVID	3693	W4	TVQ	ARTHUR	3622
AA0	RI	CHUCK	2982	W0	SC	ALLAN	4118	K8	SZN	EDWARD	4156	KB8	TVZ	BOB	2384
KA8	RIQ	GARY	2359	AA9	SD	CHUCK	3376	WP2	T	MAGGIE	1287	N8	TW	TED	3386
KB7	RJ	DWAIN	2040	AA9	SE	JOHN	2306	W22	T	RICK	2753	W4	TWB	RAY	1487
AA8	RJ	DUANE	2413	WB8	SEA	JACK	3322	NV1	T	GERRY	2777	KB0	TWH	RON	3888
AB7	RJ	MARSHA	2564	WA2	SEI	RAY	3836	NB2	T	LOU	2944	K4	TWJ	DAVE	1435
W5	RJ	ROY	3137	KF4	SEV	TY	3565	WR4	T	THEODORE	3416	KB2	TWK	GEORGE	2331
K8	RJA	RICHARD	3629	WL7	SF	CHAS	2350	WB0	T	GERALD	3807	WA2	TWS	ROY	2903
N4	RJN	KEN	3538	N3	SFA	BILL	2651	N9	TA	FRED	2301	N7	TX	STEVE	3467
KF9	RK	TONY	1424	W8	SFF	STEVE	4066	KB6	TAL	JIM	2655	K4	TXJ	JIM	1448
AB7	RK	GARY	2457	N1	SG	STEVE	1450	N1	TAT	DAN	3173	K1	TXU	SKIP	1958
KF4	RKQ	ANDY	3869	N7	SG	ANNETTE	3696	KC5	TAX	RODNEY	3566	AB5	TY	LEA	1563
KC7	RKR	DENNIS	3070	N1	SGI	BILL	2319	KE4	TBC	TERRY	2303	KD3	TY	DON	2344
N4	RKR	JAMES	4003	W6	SGJ	DICK	3527	N0	TBM	BRIAN	3485	KC5	TYC	JACK	3246
W3	RL	RL	2698	N4	SHE	DORTHA	2082	KE4	TBN	MARY	3642	W5	TYL	DAVE	2603
KA2	RLN	LUTHER	3615	N4	SI	ROD	2358	KN6	TC	JIM	2086	KE4	TZA	FRANK	1945
W3	RMD	CHAS	2593	W4	SI	RODNEY	3964	W2	TC	TED	3695	W3	TZW	ROY	3205
W4	RMM	BILL	3495	K8	SIA	JIM	3323	KB2	TCR	RICK	3405	KW8	U	BOB	1446
WA6	RND	JOHN	3944	KC7	SIB	MELODY	3093	KB8	TCT	BERNIE	1773	WG3	U	JOHN	1500
W4	RNL	LB	2600	N1	SIC	DON	2557	KB0	TCY	RICK	3023	WZ8	U	LOREN	1712
N6	RNP	ALAN	3147	N0	SIZ	DEAN	4157	KC1	TD	PAT	2620	W13	U	HENRY	2708
KB7	RNV	FRANK	1950	KA2	SJG	JACK	3363	VE1	TD	E.J.	3276	NZ2	U	JIM	2778
AA8	RO	FRANK	2967	KC7	SJK	BRUCE	3250	N8	TDE	JOHN	2313	KG3	U	LEON	3835
AA1	RO	MYRON	4012	W7	SJS	RAYMOND	3667	WB2	TDJ	MURRAY	3960	WM4	U	PETE	4234
N4	ROA	DAN	3407	KE4	SKI	JIM	2505	W5	TEN	WADE	2723	KJ5	UA	EL	3229
KB0	ROB	HAROLD	4204	N1	SKM	CAROLYN	3261	KE6	TEN	DALE	3200	KB8	UAB	RALPH	3552
W8	ROG	KEN	0924	KA7	SKN	GERT	4177	KB0	TFV	IRA	4064	N2	UB	BRIAN	1042
VA3	ROM	BOB	3589	K4	SL	SCOTT	2933	K7	TFW	DON	4050	KC4	UBC	BILL	3083
K7	RON	RON	3237	AC6	SL	JOHN	3928	AA9	TG	RANDALL	3930	W1	UBG	BOB	3361
K5	ROV	JIM	3266	N2	SLB	BOB	2658	AB4	TH	DEL	2106	K8	UCL	CORB	2642
VA3	RP	ROD	2684	N3	SLR	RICH	2165	AA9	TH	GENE	2388	WA8	UCS	CHUCK	3355

KB0 UDM DAVE	2327	KC7 VAG BOB	4194	KC5 VYE RICH	3050	W8 WQ BRUCE	4087
N8 UDO ALAN	3332	KC7 VAI VICTOR	4195	N3 VYW MARY	2090	KB0 WQT JAN	3934
W7 Udz DEL	2064	WN3 VAW RON	2981	K7 VZ HARVEY	1943	KB2 WQZ BOB	2969
KF8 UE AL	1743	W8 VB DAVID	3678	AA7 VZ ROBERT	3182	KF8 WR TED	1779
KT4 UE KEITH	3256	KB6 VBL JOHN	3057	W4 VZB STAN	3307	N8 WR JEFF	3976
N4 UE HERBERT	3861	N5 VC VIC	2311	N4 VZD DON	3867	AB6 WS GINGER	2736
WB2 UEC JOHN	3114	KB0 VCC DALE	3172	W9 VZR CHUCK	3358	WA3 WSJ ED	1715
K7 UF BILL	3122	W5 VCZ MIKE	3848	WZ0 W SLEET	1284	N9 WSK STEVE	2588
WA5 UFH TIP	2922	K06 VD KEN	4165	AC8 W STAN	1454	W2 WSS PETE	1279
WA1 UFO HANS	2027	K6 VDP LARRY	3628	KP3 W JOSE	1706	N3 WST BILL	3028
W0 UFO MERT	3823	K3 VE STEVE	3383	AE4 W GUNNAR	2068	K5 WTA BILL	1594
KB7 UFS GEORGE	1457	KC4 VEB DANIEL	4214	WF6 W BILL	3148	KB7 WTC GEORGE	1951
W9 UGC BILL	3942	N4 VEF DICK	1215	KB9 W DAN	3262	N6 WU KERRY	3912
K8 UGL DICK	2172	N1 VEG ARTHUR	2546	WG8 W ROD	3303	KC5 WUM BETTY	3258
N1 UGT DAN	2575	N8 VEP LINDA	3957	KZ5 W BRAD	3413	KC5 WUS JIM	3439
KC5 UGX BOB	3337	AA0 VF BOB	3473	KE4 W DAVE	3491	N4 WUW CHUCK	2622
W1 UI JERRY	2675	WB4 VFN RICHARD	1458	NT2 W RICH	4140	KC7 WVN DAVIS COUNTY	4175
AD4 UI KAREN	3111	AA2 VG PETER	2530	K36 WAR RICHARD	4233	KB0 WVO TOM	3001
N4 UIQ JOHN	3219	VE3 VGK EARL	2535	AC4 WB RICK	3516	KB8 WVW CARMINE	4153
AC6 UJ PERRY	3639	KE3 VH RALPH	2486	K5 WB BILL	3883	KN6 WW CHUCK	4099
N1 UJV PAUL	3531	W0 VHV JOHN	4076	WB8 WBQ HOMER	4035	N1 WWI CHRIS	1758
W6 UJX JIM	3002	VP2 VI BOB	1513	N1 WC WES	1509	K3 WWP JOHN	2002
N8 UJZ MIKE	1571	KK5 VI WILBUR	2063	AA6 WC JOE	1532	W5 WWW RON	2324
KJ5 UK HARRY	2182	N0 VI EVAN	3649	N9 WC GREG	1717	K7 WX WARREN	1475
K4 UK STAN	2934	KA7 VIA BERYL(va6via)	1005	W8 WC BILL	2371	KF2 WX CHUCK	3614
AE4 UK JEFF	4129	VE6 VIA BERYL(ka7via)	1005	N2 WCR JOHN	1461	AB5 WX DAVID	3954
KB2 UKF JOE	2639	KC4 VIA DAVE	2970	KE4 WCW MARTY	2019	KB2 WXH LOU	2699
VE3 UKU TOM	3379	K4 VIZ TOM	2423	N2 WCY DON	3560	KB2 WXI STUART	4222
KE4 UKY MATT	2341	KB8 VJF RANDY	2374	KK6 WD JIM	0751	K8 WXQ AL	3213
KB2 ULL TOM	2174	KC5 VJU JIM	2920	K1 WD WILLIAM(g0vzg)	1522	KA7 WXY WALLY	1941
K2 ULZ BRUCE	2076	KE5 VK LLOYD	3937	N8 WD WILSON	3809	KE6 WYA BOB	3652
KE8 UM MURRAY	1518	K9 VKY BRIAN	1212	KC7 WDD BJ	3999	N8 WYO AL	2719
KJ7 UN LAURA	2785	W6 VL CHRIS	2355	N8 WDH CHUCK	1258	KB2 WYO ALLEN	3526
K1 UNQ CARL	1218	KC5 VLF NATHAN	3041	KB8 WDX WALT	2792	WB8 WYU JESSIE	2733
AA9 UO JIM	3460	WA2 VLW CHUCK	2693	N1 WDX BILL	3600	K4 WZ RON	2109
VE3 UOL DAVID	1542	AA8 VM CAL	2472	N0 WE JIM	3562	AA0 WZ BOB	2685
N8 UOO JOYCE	2633	N4 VM NORM	2770	KP4 WE RUBEN	2615	NG6 X DAVE	0719
W4 UOR FRANK	3338	KD6 VMY ERNIE	3476	AA5 WE BOB	2660	ND9 X FRANK	1012
K4 UOZ RAY	4000	KB8 VMZ KATHY	3821	W1 WEA ED	3011	NV1 X BOB	1535
AB5 UP JOHN	4025	K4 VNQ JIM	2913	W8 WEN JACK	3609	NW8 X RICH	1540
W8 UQ RON	2727	K5 VO BILL	2519	KE6 WEY PHIL	3528	KR7 X HANK	1933
W9 UQB MIKE	3687	KE4 VOQ NICK	3045	K7 WF STU	1493	AD5 X PHIL	2905
N5 URL BOB	4021	N0 VPZ DAVID	4009	N2 WF BILL	2016	KN2 X BILL	2951
KJ7 US PRESTON	3350	W8 VQ LEN	2134	N2 WFH GAIL	4128	NU5 X JIM	2988
KE4 USA ERIC	2045	KC8 VQ GEORGE	3838	KB8 WFX STANLEY	3679	WX4 X ROLAND	3870
W5 USJ CHUCK	3984	KB2 VQR BARRY	2774	AA2 WG DIANE	1237	KY8 X JOE	4077
KC6 UTA CHARLIE	3226	W8 VQV BEN	2677	KK5 WG DOUG	3449	NK6 X BILL	4078
KA2 UTF GARY	2503	WA2 VQV RUSS	3179	N2 WG BILL	3657	KV8 X AL	4216
VA3 UU JACK	2517	KB2 VQW KEN	3110	AC4 WH BILL	1729	KD1 XA JON	2089
AA8 UU JOHN	3343	W3 VQY SKIP	3031	WL7 WH BOB	3420	KJ5 XC BUD	3309
KF0 UU DONNAL	3651	WA0 VQY ROBIN	3346	WA5 WHN JAY	3044	N5 XE CARL	2520
KC4 UUG DON	0910	W2 VRK ANTHONY	3968	W7 WHO DENNIS	3996	KT4 XE DUANE	3494
N9 UUI BOB	2402	K4 VRT JIM	4203	AC4 WI LOUIS	1595	K9 XE RAY	4173
KB5 UUR MIKE	3831	K2 VS CAROL	2081	AB7 WJ JEFF	3612	KJ5 XF TONY	2102
KS4 UV ED	1769	WA2 VSL DON	1993	K4 WK WAYNE	2775	N4 XHJ DAVE	4205
N3 UVR CHRIS	2347	KB0 VSN RAY	4080	N9 WKE BRUCE	2345	N1 XIJ SCOTT	3694
W9 UW RON	3412	K2 VT RANDY	2080	KE4 WKH CHRIS	3512	N8 XIM CLIFF	3998
N3 UWZ RICH	2957	NJ6 VT USS PAMANITO	3077	N1 WL WES	2697	AA0 XJ JAMES	1978
K8 UX DAVE	2648	AE4 VT GARLAND	3203	N1 WLC MIKE	3234	N2 XJ CARL	3271
XE7 UXL JOSE	3635	K8 VT CARTER	3971	KE4 WLP KERRY	2927	K0 XJ CHUCK	4075
KA3 UXU LARRY	3475	KB5 VTB LANNY	1970	W0 WM PERCY	3216	KM6 XK DON	3536
KG8 UY MIKE	2721	KB2 VTN ELMAR	2112	KA3 WMJ KEN	1524	KG8 XM RON	3970
KF8 UY BOB	3319	W9 VU RAY	3522	WA4 WMN JR	3683	KS4 XN JOHN	1965
N4 UY JAKE	3450	KA4 VVC PETER	3882	K6 WN GARY	3982	N7 XN DALE	3373
KE4 UYS BERT	2386	N3 VVE MAGGIE	3424	N1 WNB WINSTON	4143	N7 XNH FRED	2799
KD6 UZJ DAVE	2033	W7 VVW DEAN	3133	KD6 WNM CAL	2632	N4 XNR HAROLD	3854
WE6 V JIM	0865	KB8 VVX JON	2494	KA8 WNO JACK	4057	W8 XP GREG	1977
NY2 V FRED	1293	KJ5 VW GARY	3192	N7 WO WJ	3911Q	KD9 XP ED	2915
KB7 V PAUL	2003	N1 VWD BRAD	2446	W6 WOW PAUL	3198	N5 XPZ BILLY	3646
NK8 V BOB	2302	K8 VWP STEVE	4190	K2 WP BILL	2608	AA7 XQ HOWIE	3103
KB5 V JIM	3113	KS4 VX ROGER	2041	AA8 WP LARRY	3384	N6 XR MARIO	4207
KS5 V ED	3283	W2 VX BOB	4169	N8 WPI JAMES	3654	N5 XRD RICHARD	3660
AC9 V BOB	3331	KA0 VVK BILL	4182	N8 WPX JOHN	3062	N3 XT TOM	2627
WD6 V DAVID	4138	KR4 VY KEITH	2405	AC6 WQ ROB	3462	N2 XTA RUSTY	4108

W5 XU DAVID 3521	KT4 YY ROGER 2418	N9 ZZD ROGER 2054	EAS AUC CARLOS 3748
N3 XUJ KELLI 2966	AA8 YY CARL 2500	N4 ZZK AL 4225	MW0 AUH JACK 2802
W5 XW ROBERT 4038	AA0 YY MARK 2948	W1 ZZL BOB 3605	G3 AVL BOB 0931
N2 XWA LAURIE 3305	AB5 YY DOUG 4047	KB8 ZZQ ROB 1995	M0 AVP TONY 2898
W3 XX "THE SUB" 1443	N9 YYM MIKE 2511	N4 ZZL GEORGE 2666	M0 AVW CHUCK 2896
WW5 XX JIM 3220	WA7 YYY CowlitZ FISTS 1900	<b>SWL's, Other Misc.</b>	
KB2 XX PAUL 3479	K4 YZ STEVE 3505	Brian SWL 0440	M0 AWB TONY 2805
KN6 XY PATSY 3162	N1 YZP JIM 3979	SWL 1814	GW0 AWN HARRY 2221
N5 XZ ALLEN 2635	AF5 Z BOB 2035	SWL 1818	G0 AXE MIKE 0361
N0 XZB CRIS 2183	NR2 Z MARTY 3015	SWL 1882	M0 AXV MAX 3719
WA5 Y RUSS 1721	KZ5 Z Miki JONATHAN 3640	Brendan SWL 2253	M0 AYU IVAN 3705
KC3 Y BUCK 3369	KS6 Z DAN 3656	Ron SWL 3 2290	G0 AZH JERRY 2862
NM8 Y TIM 3404	VE6 ZAA JOHN 2950	James SWL 5 2787	M0 AZS RON 1624
AA7 YA STACEY 3857	K8 ZAA RANDY 3842	Guy SWL 5 2884	LY3 BA GEDAS 0984
VE3 YAG RICK 2422	VE1 ZAC JEFF 2048	Linea, Connecticut 3036	GM4 BAE GERRY 0683
W9 YB Purdue Club 1787	K6 ZAN RALPH 1529	<b>UK-EUROPE-ASIA VK, ZL, JA, AFRICA</b>	
KC5 YBA KEITH 3096	VE3 ZBB BETTY 1265	73J AAL NICK 2814	M0 BAY GED 3732
KE4 YBS SANDRA 3672	KD6 ZBN LES 3994	DL8 ABH WOLF 1364	ON4 BBA JEMPI 1849
KA9 YCB GEORGE 4096	KA3 ZBN DON 4067	MD0 ADD VINCE 2876	G14 BBE REG 1188
N3 YCN BOB 3625	W4 ZC JACK 2379	G0 AEC ESDE 0878	GD0 BCM WALTER 0870
N6 YD PETER 2762	W4 ZCR ROY 3554	326 AEF WALD 2837	M0 BCZ ROY 2875
AC6 YD PATRICK 3468	KD4 ZD LARRY 2694	LZ1 AF DIMITER 0416	M0 BDD DERRICK 1860
K7 YD DOUG 3852	KC5 ZDK MAC 3571	PA3 AFF PIET 0445	G10 BEY SCOTTY 1184
KA2 YDT JACK 1261	KA8 ZDL CLARK 1766	M0 AFJ TIM 2824	G0 BGI STAN 0736
N2 YDU JOHN 2696	W5 ZDW LEE 3285	2E0 AGB JOE 2893	G4 BLI ALAN 1637
W4 YE LELAND 3929	KB0 ZE AUBREY 1289	M0 AGL JIM 2857	M0 BLO PETER 3745
K2 YEW NORMAN 2654	WA8 ZED FOREST 3018	M0 AGO HARRY 2843	G5 BM FRANK 2874
N5 YFC WAYNE 2550	KB8 ZEQ DAN 3591	UA3 AGW DIMA 0729	G4 BNU PAUL 2854
N3 YIW LOIS 3029	KA2 ZGW BRUCE 3563	G3 AHS DAWSON 0265	GW0 BOJ HOWARD 0689
N8 YJB EVERETT 1968	N3 ZGZ ROY 3544	ZS6 AJS JOOP 2871	GB2 BP MUSEUM 1890
K1 YJK BOB 2625	AC4 ZH DUANE 1709	SV2 AJX PACO 0771	G0 BOV MARY 0040
W3 YK ART 1998	N4 ZH TERRY 3397	M0 AKA GORDON 2832	G3 BRR JIM 1063
AA2 YK ERNIE 2751	N2 ZHF RANDY 2151	G2 AKK BILL 0002	ZF8 BS BRUCE (n6mt) 3325
N2 YKH BILL 1577	W3 ZIF ROY 1583	M0 AKN GORDON 2870	G3 BSK MAX 1666
K4 YKI NORM 2166	WB5 ZJN SAM 1989	M0 ALD JOHN 2808	GM0 BUH ALEX 0076
AA8 YL GARY 2155	KG8 ZK CHARLES 2383	G0 ALH STAN 1671	G4 BUS REG 1834
N1 YLA BOB 3068	KB6 ZKB DAVE 3022	G4 ALL ALF 3701	G4 BWJ BARRIE 1378
N8 YME ERIC 3518	N6 ZKT ERIC 3590	M0 ALO DON 2839	LA3 BX TED 2820
KB0 YMH ANDREW 2789	N4 ZMP ORIN 3082	M0 ALS EDDIE 1612	G0 BXV DAVE 0261
WA2 YMW BILL 2738	KB8 ZMU LUTHER 3650	M0 ALX MARK 2877	G0 BYG JIM 0089
KE6 YNR TONY 3535	KK5 ZN MARK 2563	2W0 ALZ DAVE 3740	G3 BYX DES 0581
KA3 YNV DAVE 3685	N0 ZNC MAX 2549	M0 AMF RON 2892	DL3 BZZ LUTZ 1640
W8 YNY WILLIE 3392	N9 ZNF JERRY 1775	G3 AMO JOHN 2848	G14 CBG ROY 0161
AA8 YO BOB 3056	W8 ZNH BILL 1023	UA0 AMW GEORGE 0836	ON4 CBK MARTIN 2858
N1 YOK OSCAR 4093	KB7 ZO BOB 2478	M0 ANE BERT 0435	SP6 CES JUREK 3726
WB2 YOP STELLA 2597	N3 ZOC FRANK 3943	M0 ANL ANDY 2831	3B8 CF JACKIE 0951
AB6 YP VERN 1731	WB4 ZOF WOODY 3688	2M0 ANP DI 1882	G0 CHV MIKE 0090
WA6 YPE BILL 2096	N8 ZP DAN 1276	M0 ANQ JIM 2842	G4 CIJ MIKE 0663
WA2 YPL DEE 1997	W2 ZPL JOHN 2419	G0 ANY DARYL 2270	G4 CMY TONY 1626
N9 YPN ANTHONY 2471	KG8 ZQ JERRY 3053	M0 AOB JOHN 2885	2E1 COY JOHN 1833
N3 YPW FLOYD 3281	KE4 ZQD JOHNNY 2129	M0 AOF DAVID 3723	G4 CPA GEOFF 1644
N3 YQE RAY 3643	KA1 ZQR DICK 1429	ZL2 AOH RALPH 1073	G4 CQI DENNIS 2879
N2 YQJ ERNIE 1759	KC5 ZQX JOHN 3804	G0 AOL GILL 0280	2E1 CQL RAYMOND 2873
KK5 YR ALVA 2594	KJ5 ZR TERRY 2584	MM0 AOR MARK 2250	PA3 CQR FOLKERT 2850
K6 YR ROB 4208	K7 ZR JACK 2656	2E0 AOZ IAN 2841	G14 CRQ KEN 1064
WB0 YRM JOHN 3686	W4 ZR JIM 3013	EA1 APA FRAN 2818	G3 CSC SAM 0339
KA8 YRV MIKE 4069	KD4 ZRD BILLY 4030	M0 APB KEN 2888	2E1 CSR GEOFF 1830
KR4 YS JEFF 2914	K4 ZRP LOU 3621	M0 APC MICHAEL 2838	G0 CVH VINCE 0048
N0 YSE HANK 2670	N8 ZRV THERESA 2618	2E0 APD ANDY 3703	EW6 CW VAL 1338
N3 YSI PAUL 3920	AB5 ZS SUE 3174	M0 APY RICHARD 2804	E10 CZ BREN 0632
WA7 YSU ERIC 2506	KB0 ZTN MICHAEL 3669	G3 AQF HARRY 2869	F6 CZC LEONCE 1371
KE6 YSW BOB 3845	K5 ZTY BILL 3611	UA4 AQO SERGE 1180	G0 DAC ALAN 0024
K4 YTB DEACON 1935	N8 ZUM BILL 4023	M0 ARL BOB 3711	G0 DAF JIM 0795
K5 YU HARV 3253	N9 ZUT JEFFREY 3837	M0 ARM LES 2822	G0 DBX DAVE 3717
K14 YV BOB 2647	W3 ZUT TIM 4227	G4 ARL BOB 2897	G3 DCM ARTHUR 0288
KO4 YV GEO 2667	KB8 ZVD WALT 2369	M0 ARO BOB 2827	G0 DCO BRIAN 2856
N3 YVW NICK 3549	WB8 ZWW WAYNE 1243	G3 ASG RAY 2272	G0 DDI PHIL 0631
AA8 YW JIM 1705	N8 ZXB JOHN 2562	M0 ASN JOHN 3742	G4 DHZ PETE 0980
KC7 YWD JAMES 4111	KA3 ZXX BOB 2742	M0 ASU KARL 2827	GW0 DIX RON 0740
N3 YWQ STEVE 3926	KJ7 ZY PHIL 1949	DL7 ATL MANFRED 0418	G0 DJA DAVE 1372
AA0 YX DENIS 2021	KA1 ZYH DAN 2529		GM0 DJI DANNY 0312
KB0 YXP BRIAN 4042	W4 ZYT DON 3381		I2 DMK 1866
N1 YXU LAURIE 3382	K7 ZYV CARL 3426		G0 DMZ TONY 2900
N2 YY JERRY 1589	KB8 ZYY RAY 2046		G4 DNB BILL 0058
			G4 DNC GEOFF 0071

G3	DOV	DEREK	0175	G3	GUR	JOHN	1819	UU4	JN	ALEX	0678	G0	LSH	ALAN	0508
DL1	DRA	ACI	1077	GW0	GUY	ELWYN	1685	G4	JNA	ROB	3746	GW0	LTH	LYNDON	2226
SM7	DRH	CLEM	0973	G0	GVC	PETER	1096	G0	JNR	SHANE	1396	G3	LUZ	FRED	0444
G0	DRT	PETER	0652	G0	GWD	ALAN	0817	SP6	JOE	JOE	0764	G0	LVB	MALCOLM	1175
G3	DUH	CURJLY	1156	DL2	GWL	ULF	2284	G0	JON	JOHN	0774	G0	LWI	FRANK	0901
OZ1	DW	NICOLAJ	3707	G3	GXQ	WALTER	0947	IK7	JPJ	WALTER	1349	G3	LWU	DERRICK	1608
TF3	DX	VILLI	1658	G4	GYD	MIKE	1352	G3	JPZ	IAN	1347	G0	LYY	JOHN	0696
G0	DXB	BILL	0132	G0	GYT	PETER	1601	G4	JRE	JIM	0577	G0	LZA	DEZ	0833
DE0	DXM	PETER	3706	G0	GZK	LAURIE	0554	G0	JRN	ART	0295	G0	LZL	DAVID	0587
G3	DXY	BRIAN	3737	G3	HBN	JIMMY	1199	G3	JTO	ERIC	0766	S51	M	BRUNO	2243
G4	DYG	PETE	1182	OK2	HBR	ZDNEK	2812	G3	JTS	TOM	1681	G3	MAM	DAVID	0497
G2	DZF	JIM	0422	GW0	HCN	PAUL	0528	F5	JUD	AL	0697	G0	MCE	BOB	2829
PA3	EBA	JAN	0827	G0	HDE	CHAS	0845	UA6	JW	HARRY	0820	G3	MCK	GERALD	0230
G4	EBK	GEORGE	0804	G3	HEL	JACK	1663	G0	JWB	BILL	0385	G0	MCV	SANDRA	0555
G0	EBW	DAVID	0421	GM3	HEN	TONY	0122	G0	JXS	CLARRY	0506	G0	MDZ	TONY	3700
G3	ECS	KEN	1335	G0	HFI	GORDON	0609	G3	JXT	TED	1603	ZS6	ME	ERIC	2809
GW0	EDC	BRIAN	0151	G0	HGA	ANGIE	0041	L21	JZ	TONY	1318	G0	MEG	MEGAN	0518
G0	EEJ	ALICE	0710	G0	HGG	GORDON	0930	G4	JZM	CHARLES	1688	GM0	MFE	JACK	0603
G4	EEM	BOB	0724	G0	HHL	PHIL	0429	G0	JZU	ROSS	0679	G0	MGD	DENNIS	0630
2W1	EEO	DENIS	1889	G0	HJX	PETER	0819	G0	JZY	RALPH	0546	G7	MGV	BOB	2867
G4	EIB	JIM	0372	G2	HKU	TED	0841	G0	KCA	JOHN	0200	G3	MLJ	TONY	1893
G0	ELH	BOB	1397	G0	HLG	GORDON	0488	G0	KCJ	ALAN	0602	G0	MKJ	KEN	1390
G0	ENV	ALAN	0202	GM0	HLP	IAN	0535	OZ7	KDJ	KLAUS	2851	G0	MLA	ERNIE	0606
GM0	ERV	SHIRLEY	0107	GI3	HNH	CLIFF	1379	G3	KEF	TOM	1839	G3	MLD	KEN	1091
CT1	ETT	ROGER	2878	LA3	HO	MIKE	2821	G4	KEW	BOB	0275	G4	MLW	IAN	0130
G0	EUD	CHARLIE	0067	G1	HPJ	DAN	2262	G3	KFG	BERT	3709	G0	MOU	DICK	0668
OZ1	EVO	LEIF	3728	G0	HRL	GERALD	0975	G0	KHI	BILL	0706	HA2	MP	JANOS	0899
G0	EVV	DAVID	0550	G3	HSP	ALEC	2218	I5	KHX	DANIELE	1885	G0	MRH	RON	1327
G4	EYY	ROY	2826	G0	HTX	TONY	0139	G0	KHY	JOHN	0487	G0	MRM	ERIC	0586
G0	EZI	JOHN	3730	GM3	HVT	JIM	1628	SM7	KJH	CHRIS	0017	G4	MSR	JEFF	0357
2W1	FAA	JENNY	2236	G0	HXU	SIMON	0010	G4	KJJ	JOHN	1630	DL8	MTG	KLAUS	2200
G4	FAI	TONY	0029	GM4	HYF	GEORGE	0243	ON5	KK	GEERT	1836	G0	MTJ	JOHN	0873
G0	FBY	ROD	2273	G0	HYT	PATRICK	0220	G4	KLF	TONY	1198	GI3	MUS	BILL	3749
DL8	FCO	WERNER	1183	G3	HZL	DON	0410	G4	KLQ	EDD	1843	G0	MYG	HERBERT	0760
UB5	FDM	JERRY	0832	G0	IAL	ROD	0348	G0	KLS	RON	1336	G8	MYZ	PAULINE	1160
DL4	FDM	FRITZ	2225	G4	IAY	BOB	1140	G3	KMG	DAVE	0124	G3	MWF	RAY	1151
F6	FEQ	RENE	1670	G8	IB	DUG	0882	GM0	KMG	BILL	0484	G0	MWU	BRIAN	0701
G2	FFD	DAN	1149	LA1	IE	OTTO	0289	G0	KMU	JOAN	0786	G8	MYI	GEOFF	2274
G0	FGW	RON	0433	G0	IFM	COLIN	0728	G0	KNJ	BOB	0463	GW0	MYV	JOHN	2853
G0	FIP	ELLA	0215	G0	IFX	BRIAN	0471	G3	KOJ	RAY	3733	G4	MZS	TOM	0150
UT9	FJ	SAM	0618	GM0	IGJ	JEFF	1356	G0	KPB	TONY	0512	OH2	NAG	PEKKA	2811
G4	FJC	RICHARD	0988	G0	IGP	TONY	0129	G4	KPN	BRUCE	2242	DL2	NAI	ISRAEL	2803
G0	FOD	NEV	0308	E12	IH	HUGH	2212	G4	KQM	BOB	2211	UA4	NAL	KIRIL	0842
OK1	FPG	GEORGE	3710	G0	IJE	DON	0509	G3	KQN	JACK	0699	G4	NBI	LES	2297
G3	FPY	ERIC	1331	G0	ILN	RICHARD	0398	G0	KRT	ERIC	0133	G3	NCL	RON	0168
G0	FRL	BOB	0390	G0	IMF	ALF	0427	G3	KUL	DOUG	0840	G0	NDT	PAUL	0653
G3	FTU	ROY	0502	G3	INA	RON	0097	G3	KVE	KEN	2235	G0	NEB	JOHN	0755
G0	FUS	PAUL	0110	G3	ING	JOHN	1674	G0	KWD	KEITH	0525	IN3	NJB	BOB	1317
G0	FVS	JIM	0628	G4	INM	TOM	0084	G3	KWO	KEN	0006	IK0	NKI	LUIGI	1052
EA3	FWE	JORDI	2846	G0	IOF	GRAHAM	0231	G4	KXG	KEN	0938	GW0	NLB	SAM	0983
GD3	FXN	ART	0127	G0	IOV	GORDON	1147	G0	KYC	ALAN	0513	SP9	NLI	ANDY	3741
E15	FY	BILL	0846	G0	IRH	GORDON	3708	G0	KZA	ERNIE	0738	G0	NNJ	SID	1386
G0	GAQ	BRIAN	2883	G0	IRL	AUDREY	0510	GW0	KZK	BRIAN	2288	G3	NNK	ALF	2815
G0	GAQ	BRIAN	2883	G4	IRM	DEREK	0123	G4	KZZ	NIGEL	1821	G0	NNO	JOHN	0478
G4	GBG	PAUL	0637	G3	IRM	PETER	1092	F5	LAW	YANN	0752	G0	NOB	LIONEL	0785
G4	GBX	WANDA	0514	G0	IRO	BRYAN	1823	G0	LBT	KEN	1897	F5	NQL	MAURICE	1816
GW4	GCB	PETER	0657	GW0	IRP	COLIN	0690	VK7	LF	TOM	3712	G0	NSU	GEORGE	1606
G0	GFC	MARK	0113	G0	ISC	RENE	0610	G3	LFE	RAY	3734	G8	NT	DICK	0426
G4	GFQ	RON	0894	G4	IST	BILL	0991	UA4	LFR	ALEX	1828	G7	NTM	JIM	1899
GM3	GG	GEORGE	1154	G0	ITS	ROY	0498	G4	LGA	DON	0642	G0	NTR	JIM	0264
G0	GGE	PETER	0700	GW4	IUN	RON	2835	G0	LGF	TERRY	1817	G0	NUP	KEVIN	0796
G0	GGU	STEVE	0491	G3	IVF	SMUDGE	1614	GM3	LGM	BILL	0564	G0	NYV	PETER	1316
DL1	GJN	JEURG	0948	G4	IXI	TREVOR	1141	G4	LHI	PETER	2219	T15	NW	ULISES (k3lu)	2555
G1	GJR	ARTHUR	2271	G4	IXL	BOB	0165	GW3	LHK	GWYN	1125	G0	NZL	JOHN	0773
GW4	GJT	CLIFF	1127	G0	IYZ	CHRIS	2889	G0	LHZ	JIM	1155	G4	NZU	RON	0309
G4	GJY	SID	1667	G0	IZU	MIKE	0809	G7	LIE	BRIAN	1370	GM3	OAV	DOUG	0562
G0	GKE	LES	0197	G0	IZW	DEREK	1302	G0	LIU	GEORGE	0816	G0	OBV	KEITH	1615
DF3	GL	KLAUS	1636	G0	JFD	GRAHAM	0477	G0	LJB	PAUL	0493	DL3	OCG	FLORIAN	2201
G0	GPM	JOHN	0412	G0	JIT	DICK	1136	G4	LJU	COLIN	0099	G4	OHX	SAM	0455
G3	GPZ	PETE	0613	G4	JIZ	JESSE	0179	GM0	LOA	JOHN	0121	G3	OKA	JOHN	3743
GW0	GQC	BRIAN	0671	G4	JKW	ALAN	1132	G0	LPF	RICHARD	0960	GW3	OKM	JOHN	2268
G0	GSQ	GEO	0266	G0	JLQ	CHAS	0622	G3	LPS	ERIC	1398	G0	OKZ	JOHN	0780
GW0	GSW	VICTOR	0042	G0	JLX	ANDY	0358	G0	LRE	LARRY	0750	G0	ONS	JIM	0741
G4	GUA	JOHN	0467	G3	JMZ	JOCK	2865	G3	LRP	PETER	1672	GW0	ONU	DENNIS	0591

GX0	OOO	VARIOUS	1000	G0	RWQ	NIGEL	1619	G0	UHM	LES	3735	G0	WKJ	CHRIS	2239
G4	OOS	JOHN	0812	G0	SAH	ALAN	3716	G4	ULA	DEREK	3714	G0	WLC	BRIAN	2205
GW0	OPY	DAVID	2852	G0	SDA	COLIN	1172	G0	UIW	TONY	2868	G0	WLS	BRIAN	2227
G0	ORD	ERIC	0963	G0	SDD	CHRIS	2891	I2	UTY	PAUL	2203	G0	WLX	ALAN	2208
G4	OSB	TOM	0579	GW4	SDO	DAVE	2861	G0	UJD	MERV	1680	G0	WMC	PETER	2279
G0	OSR	OLIVER	1178	F5	SEE	JACK	2237	G0	UKX	RAY	1618	G0	WMW	DOUG	2813
G4	OTN	COLIN	0028	G0	SEF	DAVE	1129	G4	UKZ	RAY	0148	G4	WNA	TONY	0598
G0	OUI	BILL	0888	GW0	SGC	BILL	1602	IT9	ULN	ANGELO	3720	GW0	WNB	SID	1892
G0	OVS	JIM	0822	G3	SJE	JOHN	0391	G4	ULT	LES	0675	G3	WNI	BILL	0413
G10	PCU	DAVID	0831	GM3	SKN	DENIS	2817	G0	UMN	JOHN	1678	GW0	WNW	BOB	2800
G14	PCY	FRED	0156	G0	SKR	JOHN	1115	G0	UOF	GRANT	1383	G3	WP	JACK	0310
G0	PDM	MIKE	1343	GM0	SMT	ALLAN	1610	G10	USC	JOHN	1387	G0	WPM	NICK	1886
G0	PEH	TONY	1657	GM4	SMZ	DAVID	2256	G4	USW	BILL	0405	G0	WPZ	JOHN	1814
G3	PEN	DAVE	1303	G4	SOO	HAROLD	0767	G0	USY	KEN	3738	GM0	WRR	JOHN	2276
GM3	PIP	PETER	1883	G4	SPK	ROBERT	1623	G0	UTH	TOM	2895	G0	WSL	JOHN	2295
GM0	PIV	DONALD	2847	VK2	SPS	STEVE	1399	G0	UTL	ALAN	1393	OE6	WTD	DIETER	1068
GW0	PNC	HARRY	1106	G0	SQD	TOM	2845	G0	UTR	DAVID	1629	G4	WTD	COLIN	1841
GW0	PNI	DAVE	1053	G0	SQF	JOE	1384	G0	UUA	WARWICK	1683	G0	WUY	ALEX	2834
G0	POJ	JUDY	0883	G14	SRQ	GEORGE	0662	GW0	UWM	JOHN	1810	G0	WVG	ALAN	3702
G3	PPD	STUART	0977	G10	SSA	KEITH	1304	G0	UYF	ROGER	2840	G5	WW	PAUL	1345
G0	PPI	DEREK	1639	G0	SSG	REG	1169	G0	UYF	ROGER	2849	G4	WWQ	DAVE	1056
G4	PPK	CLIVE	0244	G4	SSH	ROY	0999	G0	UZH	STEPHEN	1829	G3	WWT	JOHN	1114
G1	PPK	JOE	1375	G0	STR	BILL	1609	F5	VAO	DENNIS	2819	G0	WWT	PETER	1891
G4	PPV	GRAHAM	0134	G0	SVX	IAN	2223	G0	VAT	TONY	1895	G4	WYG	BRIAN	0449
G4	PQG	RALPH	0634	G0	SWT	LEN	1642	G0	VBH	BILL	2252	G0	WYW	ALEX	1813
G0	PQU	CYRIL	1676	G0	SWU	PETE	1389	G0	VBT	HOWARD	1682	IK2	WYW	UGO	2880
GW3	PRL	MARTIN	1315	GW0	SXE	JOHN	1101	GM0	VCQ	JIM	2299	OZ9	WZ	KNUD	2246
G4	PSE	MIKE	0837	G0	SXG	KEITH	1138	G0	VCY	PHILIP	2277	G0	WZX	BRIAN	3704
UA4	PT	POL	3722	GW0	SXZ	JIM	1339	G3	VD	BERNARD	1617	G0	XAH	DAVID	2222
G0	PTB	BRIAN	1072	G0	SZE	CHRISTINE	1301	DL1	VD	KLAUS	2823	G0	XCF	COLIN	2296
G4	PTE	KEN	0723	BV2	TA	TONY	1884	G0	VDI	JOHN	1840	G14	XFS	LYN	0464
G0	PVL	DON	2210	G0	TAW	IAN	1300	G3	VDL	JOHN	0549	G4	XHE	RICHARD	1365
G4	PWM	DAVID	2899	G0	TBB	BOB	1135	G0	VGF	DAVE	1852	G4	XHZ	FRANK	0008
G0	PWZ	PETER	0876	G0	TBD	TERRY	1163	G4	VJ	BILL	0807	G4	XJU	LAURIE	0153
GW4	PXQ	GEORGE	0160	IK5	TBK	STEVE	2247	GM0	VIT	BILL	1665	G3	XMM	TOM	1395
GM0	PXV	PETER	1057	G0	TCF	PETER	1340	GM0	VIT	JON	1631	G4	XPE	MIKE	0100
I7	PXV	VIN	1342	G0	TCM	FRED	2263	HE9	VIZ	NICOLA	1659	GW4	XQH	JOHN	0576
G6	QA	LYNDA	2864	G0	TEB	CHRIS	1675	G0	VJJ	STAN	1824	G4	XUZ	RAY	0777
ON6	QE	LUC	3736	G0	TGU	BILL	1329	G8	VL	IAIN	0890	G5	XV	RON	0871
DF7	QK	ELA	3729	G0	THA	PETE	1174	GW3	VLU	EDDIE	2213	G4	XVE	JOHN	0342
SP2	QVS	PIOTR	2801	G0	THV	JOHN	1374	G0	VMI	BRIAN	2257	G3	XVF	RICHARD	0716
G4	RBE	JACK	0174	G0	THX	VIC	1634	G0	VMK	PETER	2882	G13	XZM	DES	2806
G0	RCB	TED	1687	G0	TIP	GEORGE	0940	G4	VMV	RAY	0402	G4	YEP	TED	0020
G0	RCE	KEITH	1054	G0	TKT	PETER	1126	G3	VNG	DAVE	1097	G4	YFD	FRANK	0486
UB5	RCH	VICTOR	0936	G3	TLF	FRED	1853	G4	VOJ	ART	0007	SP6	YGB	JUREK	3725
G4	RDM	PETER	0186	G0	TMZQ	NORMAN	1653	G0	VOW	JOAN	2887	G4	YJB	RON	0601
DJ3	RE	HANS	1894	G0	TNY	TONY	1669	G5	VQ	ERIC	1679	G4	YLB	JIM	0492
G0	REA	ROMA	0895	GD4	TOW	KEITH	0898	G0	VQA	JULIAN	2207	G3	YLL	RON	0282
G3	REV	RAY	2216	G0	TQT	JOHN	1381	G3	VQO	LES	0874	G4	YMB	MALCOLM	0681
G4	RFS	STAN	0229	G3	TRU	HARRY	2233	G0	VQW	SANDY	3739	G4	YNU	JOHN	0073
G3	RGE	KEN	1662	VU2	TS	GANISH	2890	UA3	VRP	VICTOR	1110	G4	YRF	KEN	2266
G4	RCK	DAVE	2238	G3	TTB	PETER	2264	G0	VRR	FIL	3747	G3	YRP	IAN	2825
G0	RGO	MALCOLM	1134	G3	TTH	TEX	0995	G0	VSS	RAY	1812	G4	YRS	GERRY	1326
G0	RGP	ALAN	2894	G0	TUA	GEORGE(ve3mmq)	3030	GW0	VSW	CARL	1887	G3	YSX	STEWART	2872
G0	RGV	RICHARD	0981	G0	TUE	RAYMOND	1191	G0	VTI	TERRY	1807	G3	YVH	ALAN	2202
G4	RHP	LEN	1362	G0	TUE	WALT	1139	G0	VTN	RON	1851	G4	YZO	JOHN	2863
G4	RHR	KEN	2248	G3	TUN	JACK	3724	G4	VUX	GRAHAM	3744	G3	ZDD	DEREK	1312
G3	RHU	MALC	2810	G3	TUX	CHRIS	1307	G4	VVK	BERNARD	0838	HB9	ZE	FRANK	2859
G0	RIQ	DOUG	2255	G3	TVI	ROD	0747	G0	VVZ	DAVID	3721	G3	ZFZ	GORDON	2886
G3	RJV	GEORGE	0428	G3	TXK	CHRIS	2881	G0	VYR	NORMAN	2844	G4	ZIB	TONY	0811
G0	RKT	DAVID	1066	G0	TYM	TIM	3713	G0	VYX	PETER	2214	G3	ZJJ	MIKE	0274
ON6	RL	GUIDO	1080	G0	TZV	GORDON	1392	G0	VZG	WILLIAM (klwd)	1522	G4	ZLX	KEN	2258
G0	RLW	ALAN	0902	G0	UBE	JOHN	0934	G0	VZX	PETER	3715	GW3	ZNN	WALLY	0964
G3	RNB	STAN	3731	G4	UCJ	SEAN	2860	G0	WAO	PETER	2215	G3	ZNR	DEREK	2816
OK1	RP	PETR	2833	G0	UCK	BARRY	1344	G0	WAS	ALAN	2828	DL1	ZQ	HANS	0313
G4	RQA	TOM	0036	G0	UCQ	PHIL	1319	G0	WAY	BOB	2292	G3	ZQS	GEO	0001
G0	RRF	PETER	2836	DL6	UDX	WOLF	1181	G4	WBN	TREV	0381	G3	ZRZ	IAN	0781
G0	RSA	JOHN	2244	G0	UEE	PETER	1358	G0	WBT	JEAN	2855	G4	ZVL	HENRY	0538
G3	RSF	ALAN	1877	G0	UER	CYRIL	2232	G0	WFM	PETER	1880	G4	ZVR	TONY	0666
G4	RSK	GORDON	0030	G4	UEW	DAVE	0584	G3	WGL	NOLLY	1633	G3	ZWF	JOHN	1896
G3	RSP	ALAN	1847	G0	UFF	ROY	1382	G0	WII	MIKE	2807	Corrections?			
G0	RSU	GEOFF	1150	GM4	UGB	RICHARD	2830	G3	WJO	PETER	0559	2628 Lilac St. Longview, WA			
G0	RVX	KEN	3718	JA7	UHM	MASA	0018	G0	WJO	PETER	1846	98632			
G4	RWP	EDI	0286	G4	UHM	STEVE	0304	G4	WKG	ROB	0079				



**The International Morse Preservation Society  
and  
FISTS C.W. CLUB**

Dear \_\_\_\_\_,

You have been sponsored for membership of the above club and it is my great pleasure to enclose herewith the membership application form.

There has long been a demand for an organizations such as this not only to fill the void left by the declining numbers of ex-professional operators but to nurture the interests of those who are drawn to the mode but lack the operating skills. It's just these Amateurs who would otherwise be tempted to exchange the key for a microphone if the satisfactions and pleasure of Morse were to be denied them by a lack of opportunity. Such opportunity is rare when one is a beginner and the bands appear to be populated by c.w. signals which are well beyond their limited skills.

FISTS is peopled by those whose love of Morse has urged them on to encourage the beginner, to dispel those initial moments of fear and help them reach out for a joy known only to a small minority of Radio Amateurs.

A love of MORSE and a concern for its perpetuation are the only requisites for membership. There is no specific speed requirement and neither is membership of the RSGB or other National body demanded. The aims of the club are:

- a) To further the use of Morse Code on the bands
- b) To encourage the newcomer to the mode
- c) To engender friendships within the membership

You will appreciate that in order to effect these goals, the club must render itself open to the novice operator and have a healthy sprinkling of Veterans to encourage them.

Your subs are due on the anniversary of the month in which you joined. There will be approximately 12 newsletters per year which will depend largely on your own contributions and you are encouraged to offer comments and observations.

We have our own QSL bureau which distributes members cards free as far as is possible and members may also chose to adopt the club QSL card.

In addition, we have a talking newsletter for those who are visually handicapped.

One of the greatest spin-offs of a club of this nature is the firm and lasting friendships which are a direct result of membership and consequent on-air contacts. You are encouraged not only to meet other members on the air but, if the opportunity is there, on a Social basis also. Should you wish to invite your current friends to join the club, you are at liberty to nominate them bearing in mind the criteria mentioned above.

We look forward to receiving your reply.

73 de

*Geo*

G3ZQS

# FISTS C.W. Club

## Membership Application Form

Callsign \_\_\_\_\_ Name on the Air \_\_\_\_\_

Mailing Name and Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The following info provides a synopsis of members' working conditions:

Rig(s) \_\_\_\_\_

Antennas \_\_\_\_\_

Other club affiliations (ARRL, RSGB, etc) \_\_\_\_\_

Other interests \_\_\_\_\_

Birthdate \_\_\_\_\_ Phone \_\_\_\_\_

Are you visually handicapped? \_\_\_\_\_

Email address (if applicable) \_\_\_\_\_

Packet address (if applicable) \_\_\_\_\_

Date \_\_\_\_\_ Your sponsor (if applicable) \_\_\_\_\_

Signature \_\_\_\_\_

*Please enclose annual subs of \$15 (U.S. funds)*

Please make checks payable to FISTS CW club and return to:  
**Nancy Kott WZ8C, POB 47, Hadley MI 48440-0047 USA**

## HOW DO I...

**...ORDER CLUB SUPPLIES?** Irene WO8E 44609 N. Bunker Hill Dr. Clinton Twp, MI 48038 has gold logo stickers, 200 for \$5; Blue enamel/gold metal clasp-back logo pins \$3.50; Cloth logo patches 3" octagon shaped \$1.50 Rubber stamps with the FISTS logo for use with an ink pad (not included) for \$5. "I Support KNOW Code" buttons for .75 FISTS Logo mugs are currently out of stock. These prices DO include first class postage.

**...GET AN UP-TO-DATE MEMBERLIST?** The list is printed in the KeyNote twice a year and is also on the Web page. A printed updated list may be obtained by sending \$1 (to defray costs- it's 10 pages long) to Ed N7CFA 2628 Lilac Street, Longview WA 98632. Corrections to Ed at [n7cfa@kalama.com](mailto:n7cfa@kalama.com)

**...GET ON THE FISTS ON-LINE Email LIST?** Send your Email address with your name/call/ FISTS number to [blafont@tir.com](mailto:blafont@tir.com)

**...GET/SEND FISTS QSL CARDS Via BURO?** Stan K4UK, with the assistance of the Franklin County Amateur Radio Club handles FISTS QSL bureau. Sort your outgoing FISTS cards by call area, then alphabetically and mail to K4UK, 1020 Long Island Dr, Moneta VA 24121. To receive cards you may have waiting at the bureau, send K4UK a few SASEs. QSLs will NOT be sent to you unless you have sent in an SASE or made arrangements with Stan. His Email is [stanreas@rev.net](mailto:stanreas@rev.net)

**...RENEW MY KEYNOTE SUBSCRIPTION?** Send a check/M.O. made out to FISTS for \$15/year to Nancy WZ8C POBox 47 Hadley MI 48440. ***What's the Family Plan?*** All CW folks at the same QTH can belong to FISTS for one subscription fee of \$15. You will each have your own FISTS number, but only one Keynote will be mailed per address. Student rate = \$10 if not in a Family Plan.

**...SPONSOR A DX FISTS?** DX FISTS have a separate block of numbers; their Keynote is mailed from Geo G3ZQS. Send their info to Geo 119 Cemetery Rd, Darwen Lancs, BB3 2LZ; he'll send them a DX application.

**...HAVE AN APPLICATION OR NEWSLETTER SAMPLE SENT TO FRIENDS?** Send their address Joe K5HLR 29 Melrose Dr, Marrero LA, 70072. Pse enclose \$1 if sample Keynote is requested. An application is also available, in text format, for downloading on our Web page <http://www.FISTS.org>

**...APPLY FOR THE CENTURY or WAS AWARD?** Send a list of contacts (call, FISTS #, date, band) and power used to Joe N3LBC, 222 E Bertsch St, Lansford PA 18232. Don't submit QSLs. There is no charge to FISTS members for the regular Century Award. If you are applying for the Golden/Diamond Century or the Platinum, send your request directly to HQ in England (119 Cemetery Rd, Darwen Lancs England BB3 2LZ) including sufficient return postage.

**...VOLUNTEER FOR or GET A CODE BUDDY?** Ed WA3WSJ 775 Moonflower Reading PA 19606

**...SHARE COMPUTER SOFTWARE?** Joe WZ8U 5428 Bolander Grand Blanc MI 48439

**...GET MY PHOTO ON THE PHOTOPAGES?** Send a snapshot of yourself to Ken W8ROG 44609 N. Bunker Hill Dr. Clinton Twp, MI 48038

**...GET A COPY OF FISTS PRESENTATION** to give at my local club meeting? This program is currently suspended until another volunteer is found to over the mailing/tracking of the presentation kits!

**...FIND THE WEB PAGE?** <http://www.FISTS.org>

**...SUGGEST IDEAS FOR THE WEB PAGE?** Contact Bill KK4KF at [bjmyers@arc.net](mailto:bjmyers@arc.net)

**...ORDER FISTS CLUB QSL CARDS?** send SASE to WX9X at 354 West St, Valparaiso IN 46383

**...ORDER A FISTS CLUB ID BADGE?** Our club badge is dark blue, with FISTS logo in gold and your name, FISTS number, callsign and "Int'l Morse Preservation Society" in white. They are \$6.95 post-paid from The Signman of Baton Rouge 879 Castle Kirk Dr, Baton Rouge LA 70808; email [nv5a@aol.com](mailto:nv5a@aol.com)

A non-engraved, laminated club badge is available from Bruce Eichmann W2BE, 204 E. Lake Blvd, Medford NJ 08055. Cost is \$4.75, NJ residents \$5.00 because of tax.

**...IMPROVE MY CODE SPEED and MEET LOTS OF NEW FRIENDS?** Join FISTS! Get involved in the nets and activities!

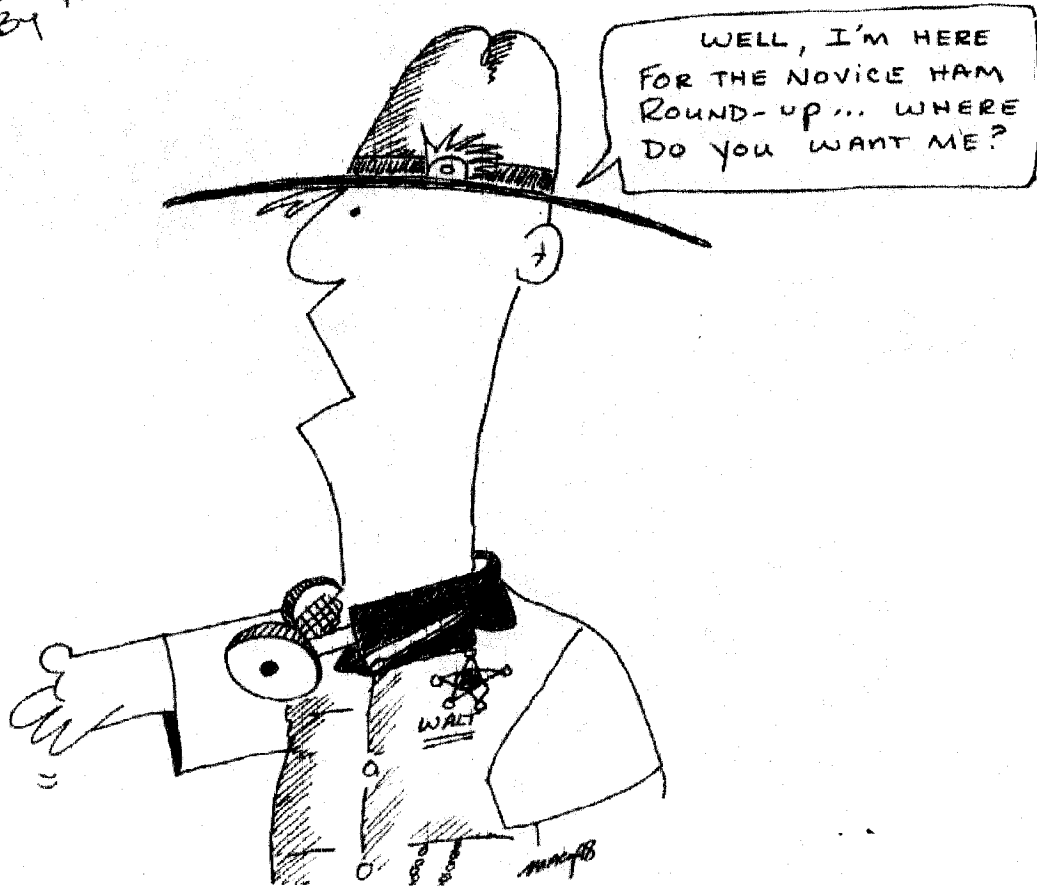
The Keynote is published approximately monthly by Nancy Kott WZ8C, P. O. Box 47, Hadley MI 48440-0047  
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FISTS CW CLUB, P.O. Box 47  
Hadley MI 48440-0047

Your renewal due date and FISTS number are  
on the mailing label.

ADDRESS SERVICE REQUESTED

**WALT** WORLD  
By ARNIE MACY, KT4ST



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