North American Memo

Nancy Kott WZ8C Post Office Box 47 Hadley MI 48440

810-797-5388 Email: nancy@tir.com http://ngnvv.qrp.com/~fist



WZ8C reserves the right to edit submissions for space, clarity and topic suitability. Comments not attributed to another are written by WZ8C. Articles from The Keynote may be reprinted if credit is given to the original author.

Our TENTH anniversary of the Founding of FISTS by Geo G3ZQS is this September. The DX Straight Key Week will be taking place the first week of September, as it always does. While it is a popular event, not everyone enjoys using a straight key. I would like to see something in which all FISTS can participate. We should do something special. A Special Event Weekend would be fun and something everyone can do.

Starting September 9 thru Sept 12, your shack can become a FISTS Special Event Station by calling (or answering) CQ FISTS SE. Every station you work will be eligible to receive a Special Anniversary Special Event Certificate for helping us celebrate.

The stations you work will QSL with an SASE to your QTH. It is your responsibility as an SE (Special Event) station to check your logs, verify the contacts, then send me a note letting me know how many Anniversary Certificates you'll need to return the SASE's you've received. I'll send you the appropriate number of Certificates and you can complete them with the QSO info.

We'll award a plaque to the FISTS member who works the most stations that weekend and other awards as participation warrants. I realize that some FISTS may be a bit apprehensive about being a SE station, so I'll have a sample QSO exchange and more details in

the next KeyNote. I'll submit info about our SE to the major magazines to help publicize it.

If anyone would like to submit a design for the Anniversary Celebration Special Event certificate, in one color, pse go for it and send it to me.

Many, many thanks for all your cards, calls, letters and Emails regarding my debate with W5YI! I'd love to print them all here in the KeyNote, but it might go to my head to see them in print all in one place, hi.

I really appreciate your support. As you know CW, Ham Radio and FISTS are very important to me and your feedback lets me know I'm on the right track.

The Pro-CW requirement side of the Debate sure has been downplayed, particularly by CQ magazine. They ran a two and a half page article by W5YI under the heading of Washington Happenings, giving his verbatim transcript plus a whole lot more. All that was mentioned about the Pro-CW side was that "the debate was against WZ8C of F.I.S.T.S." They never contacted me to offer equal time, which I think is very unfair. W5YI even got FISTS name wrong, calling us F.I.S.T.S.!

After hearing about this article, I faxed them the transcript of my opening remarks, without the embellishment they allowed W5YI, but I never heard anything from them. I just wanted to let you know that I DID try to get them to be fair and print the other side of the story, but they chose to ignore me and all the other FISTS who told me they wrote to CQ in protest.

I hope you had a FB Field Day! The FISTS of MI Field Day was great. The weather couldn't have been better; low 80's and a gentle breeze. All the tents stayed up, the antennas worked great - no interference between rigs, batteries lasted all weekend. Twelve people show up over the course of the weekend. Everyone who wanted to operate was able to and we had enough people logging, too. We even had a crew there for setup and tear-down. We had a delicious Saturday evening potluck barbecue. Everything was practically perfect I don't know how we're going to top it next year! Well.... Maybe next year I won't burn the bratwurst for Sunday's lunch...but they were still tasty!

There's a membership list enclosed in this month's KeyNote, making it a record 40 pages! Whew! Hope you enjoy it......

HOW DO I...?

...ORDER CLUB SUPPLIES? Irene WO8E 25206 Hayes. Roseville MI 48066 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 Pse make checks out to FISTS. These prices DO include first class postage.

Cobalt blue w/gold FISTS logo coffee mugs are available from Joe Falcone 9614 Arden Ave, Livonia MI 48150 for \$4.50 plus \$3 postage - make checks payable to Joe Falcone.

...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 Ed N7CFA 2628 Lilac Street, Longview WA 98632.

... Get on the FISTS On-Line Email List?

Send your Email address to blafont@tir.com

... GET/SEND FISTS QSL CARDS Via BURO? Brian W8BL 3050 Rochester Rd, Dryden MI 48428 handles the Buro. Pse sort your outgoing DX and NA cards alphabetically by call area. To get cards you may have waiting, send loose stamps to Brian and he'll use them to send your cards to you as they come in. ... RENEW MY KEYNOTE SUBSCRIPTION? Send a check/ money order made out to FISTS for \$15/year to Nancy WZ8C POBox 47 Hadley MI 48440

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 APPS/SAMPLES SENT TO FRIENDS? Send their address, SASE or loose stamp to hold down expenses, to Joe K5HLR 29 Melrose Dr. Marrero LA, 70072. Pse enclose \$1 if sample Keynote is requested.

...APPLY FOR THE CENTURY or WAS AWARD? Send a list of contacts (call, FISTS #, qth, date, time, band) and power used to Lee N9NVV 4530 N 15th Street Terre Haute IN 47805 Don't submit OSLS

... 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 25206 Hayes Roseville MI 48066.

...GET A COPY OF FISTS PRESENTATION

to give at my local club meeting?

Contact Randy K8EZ, 2674 Gemini Dr, Lk Orion MI 48360 email k8ez@concentric.net

...FIND THE WEB PAGE?

http://n9nvv.qrp.com/~fists

...SUGGEST IDEAS FOR THE WEB PAGE?

Contact Bill KK4KF at 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, callsign and "Int'l Morse Preservation Society" in white. They are \$6.95 postpaid from The Signman of Baton Rouge 879 Castle Kirk Dr, Baton Rouge LA 70808; email nv5a@aol.com

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

CODE BUDDY APPLICATION

Callsign	License class
Mailing ad	dress
Email addr	ress
Phone num	ber ()
Bands wor	ked
Sked time	preferred
· .	
Approxima	te Code Speed level
getting you	ant to help a newcomer, do you need help r speed up, making those first few contacts be your situation and/or goals:
getting you	r speed up, making those first few contacts'
getting you	r speed up, making those first few contacts'
getting you	r speed up, making those first few contacts'
getting you	r speed up, making those first few contacts'
Pse describ	r speed up, making those first few contacts be your situation and/or goals: any other info that will help us hook you up
Please list:	r speed up, making those first few contacts be your situation and/or goals: any other info that will help us hook you up
Please list	r speed up, making those first few contacts be your situation and/or goals: any other info that will help us hook you up
Please list	r speed up, making those first few contacts be your situation and/or goals: any other info that will help us hook you up
Please list	r speed up, making those first few contacts be your situation and/or goals: any other info that will help us hook you up

WELCOME TO THE NEW FISTS	3437 W1KX Bill in Monmouth ME
3490 NIGDH Ed in Webster MA	3436 W6AR Dewey in Palmdale CA (W6DDB)
3489 N5OB O.H. in Midfield TX (WA5SNL)	3435 N4EC Ed in Gainesville FL (KS4XN)
3488 K0PW Paul in Burnsville MN (K5HLR)	3434 K4HFJ Pat in Gainsville FL (KS4XN)
3487 KO4OR Bobi in Pensacola FL (KS4IE)	3433 KE4ITN Tom in Cleveland AL (N4ZMP) 3432 K2JY Steve LkRonkonkomaNY(N2XHY/KG2LL)
3486 W8CCN Tom in Fairmont WV (W4DXB)	3431 AC5JU Jim in Downsville LA
3485 N0TBM Brian in Thornton CO (N5VC)	
3484 N4KTW Charlie in Tuckerton NJ (WB2FXK)	3430 W4PBL Frank in Lakeland FL (NB2T)
3483 KB2NIF Paul in Somerville NJ (W8VQV)	3429 KQ6EH Paul in Downey CA (N6EV) 3428 KC5RDC Charlie in Port Barre LA (AC5JH)
3482 NOLAG George in Muscatine IA	3427 KI0HQ Ed in Lampe MO (WB2FXK)
3481 VA3JEG Jim Woodbridge ONT (N3XJQ/N4ZMP)	3426 K7ZYV Carl in Biloxi MS
3480 KB9MUU Al in Quincy IL (AA9LS)	3425 KB3AWR Forrest in Trafford PA (N2SLB)
3479 KB2XX Paul in Charlottsesville VA	3424 N3VVE Maggie in Trafford PA (N2SLB)
3478 KB7AQD Robert in Phoenix AZ (AE2L, NY2V)	3423 KB4HAH Gene in Pensacola FL (N4ZMP)
3477 W3CL Carl in Washington DC (W4HU)	3422 K1CIK Karl in Reading MI (K1SZK)
3476 KD6VMY Ernie in Escondido CA (K2SB)	3421 W8DAN Dan in Xenia OH (WA0FAX)
3475 KA3UXU Larry in Leola PA	3420 WL7WH Bob in Anchorage AK (W7UDZ)
3474 KC5HLO Bob in Alice TX (KD5KP)	3419 KC5NGS Jack in McAllen TX (KE4JSL)
3473 AA0VF Bob in Bailey CO (AI9L)	3418 KB7TTY Bob in Oregon City OR (N7CFA)
3472 KE6PWJ Bill in Los Gatos CA (K4HXM)	3417 W9CBT Dick in Glenview IL (W4HZD)
3471 K6CB Chris in BishopCA(W6KN)	3416 WR4T Theodore in Cincinnati OH
3470 W8DEA Don in North Canton OH (AE4AI)	3415 W2RCM Rich in Wenonah NJ (K5HLR)
3469 KK5LM Wes in Raymond MS (K5HLR)	3414 NN3L Robin in Reading PA (WA3WSJ)
3468 AC6YD Patrick in Rohnert Park CA (KC5GXC)	3413 KZ5W Brad, Cypress TX(#'s 3109,2079, 2481, 2632)
3467 N7TX Steve in Mesa AZ (K7GT)	3412 W9UW Ron in Wis Rapids WI (WS0L)
3466 W1OLK Ralph in Lexington MA (AA1RX)	3411 N5JEF Mac in Corpus Christ TX
3465 WB0CFF Carl in Belle Plaine MN (AF9H)	3410 N7BYP Pete in Seattle WA (K5HLR)
3464 W3DP Dick in Camp Hill PA (WS0I)	3409 W2RWH Carl in St George UT (W8EQA)
3463 KF6GCZ Hap in Boulder Creek CA (KF6GUH)	3408 K9IH Warren in West Chicago IL (W7UDZ)
3462 AC6WQ Rob in San Dimas CA (K5HLR)	3407 N4ROA Dan in Gate City VA (K3WWP)
3461 KB8MMA Yvonne in Harrison MI (N8HG)	3406 KB9MZK Dave in Wheatfield IN (AF9H)
3460 AA9UO Jim in Dekalb IL (N9RFR)	3405 KB2TCR Rick, Hampton Bays, NY(KF4DDE/K3DC)
3459 WB8DWD Jim in Greenville OH	3404 NM8Y Tim in Circleville OH (K3CJQ)
3458 K4NR Tom in Gunter AFB AL (K3LT)	3403 N0FDX Donald in Naples FL (N1VWD)
3457 N7DOH Paul in Newcastle WA (Web page)	3402 N3HAM Jerry in Philly PA (N2FX/G3ZQS)
3456 WB2ART Ken in Sayville NY (WA6PWG)	3401 AA8PJ Jeff in Dover OH (VE1ZAC)
3455 KD4LRP Rob in Falls Church VA (KE4HZM)	3400 KC8HRO FISTS CW Club of Michigan
3454 W8JMA John in Waterford MI	3399 W4NPL Paul in Huntsville TN (VE3MIQ)
3453 N9SQT Allan in Rolling Meadows IL	3398 KC7UXA Steve in Las Vegas NV (WA2BQI)
3452 NL7C Jim in Anchorage AK (KL7GN)	3397 N4ZH Terry in Vienna VA (K4WK)
3451 K6PZE Dick in San Diego CA	3396 WA3NSR Bob in White Hall MD (WB2FXK)
3450 N4UY Jake in Vienna VA (AC5JH)	3395 N6DK Dick in Sacramento CA (KE6TEN)
3449 KK5WH Doug in Choudrant LA (AI9L)	3394 W9BYH Bill in Tacoma WA (KB0LLZ)
3448 XE1ABE Hugo in Morelia Mexico (AC5JH)	3393 KM5EJ JD in Houston TX (N4ZMP)
3447 KF4DPS Jim in Gadsden AL	3392 W8YNY Willie in Crystal Falls MI (N3PM)
3446 AA1RR Paul in Malden MA	3391 KC8BOJ Ed in Garfield Hts OH (KG8QO)
3445 KC5VGQ Stephanie in Richardson TX (AD5X)	3390 KC8HHH Ben (KG8DA)
3444 KB9LYM Jackie in Madison WI	3389 K9HT Dave in West Lafayette IN
3443 NN6C Mike in Poway CA (KF4JRO)	3388 KB9GKX RJ in Indianapolis (K8FC/N9NVV)
3442 KR1B Bob in Norridgewock ME	3387 KE4QLH David in Atlanta GA (KF4KUO)
3441 K0HHB Tom in St Louis MO (K0CNS)	3386 N8TW Ted in Miamisburg OH
3440 KA8FCC Don in Mount Vernon OH (AA8WP)	3385 KB0GGQ Al in Mpls MN (KG8WF)
3439 KC5WUS Jim in Amarillo TX (KF6GUH)	3384 AA8WP Larry in Mount Vernon OH
3438 W1GU Michelle in Monmouth ME	3383 K3VE Steve in Greensburg PA
ISSUE 7 1007	LUD NEWOLETTED

FISTS CW CLUB NEWSLETTER

PAGE 3

ISSUE 7 1997

3382 N1YXU Laurie in Leominster MA (KE1DY) 3381 W4ZYT Don in Virginia Beach VA (KC4VZK) 3380 WD0HBW Dick in Little Canada MN (AI9L) 3379 VE3UKU Tom in Ontario Canada (VE3FMC) 3378 KC7ORH Jim in Port Angeles WA (KF6GUH) 3377 K4MR Brad in Lake City FL (AI9L) 3376 AA9SD Chuck in Redwood Falls MN (N4ZMP) 3375 K8JWR Dan in Lambertville MI (N8NLE) 3374 K1HLG Bill in Bangor ME (AI9L) 3373 N7XN Dale in Tempe AZ 3372 W60WP Bart in Paradise CA (N6RNP) 3371 KE6CTI Matt in Lake Los Angeles CA (W6UJX) 3370 K0CNS Rick in O'Fallon MO (W8EQA) 3369 KC3Y Buck in Riviera Beach MD (N3NNH) 3368 N3DU Tim in Sacramento CA (KE6TEN) 3367 W8CK Craig in Grand Rapids MI 3366 KD6POC Adam in Santa Rosa CA (K5HLR) 3365 NC0A Chuck in Canon City CO (W0RE) 3364 KE60IO Dorthea in Garden Grove CA 3363 KA2SJG Jack in Boonville NY (N2ZHF) 3362 N7KO Rick in Glendale AZ

3361 WIUBG Bob in Dover NH (KB1FK) 3360 WC6C Chuck in Pittsburg PA 3359 KF4MKB Bill in Stuart FL (N4ZMP) 3358 W9VZR Chuck in Whitefish Bay WI 3357 KC6IJE "TM" in Palo Alto CA (AD6AG)

3356 K5NC Waldo in Houston TX 3355 WA8UCS Chuck in Metamora MI (WZ8C)

3354 W7GO Tony in Las Vegas NV 3353 KF4PYE Ed in St Cloud FL (AE4IX)

3352 KC7SRL Kurt in Cave Junction OR (WA7MMG)

3351 W4GEK Chet in Oak Ridge TN (W4HZD)

Callsign changes

Bill #2016 AA2YH is now N2WF Rick #2662 KB0RMY is now K0QR Ray #3164 WB9PIL is now KG9KK Roland #2980 KB2WIK is now KG2LO Vic #2311 AC5GP is now N5VC Jerry #3291 N2XHY is now K6ZLL Geo #2667 KO4YV is now W4GEO Marc #3160 AA3JQ is now KE6P Tom #2627 AC4XT is now N3XT Carol #2081 AB2AC is now K2VS Allen #2635 WB5BIR is now N5XZ Tom #2360 KC8DGU is now KI8CZ

PHOTOPAGE WINNER THIS MONTH

The winner of the June Photopage drawing is: The picture on page 12, number 23, Bill KB9IWH.

You, too, can be a lucky winner of 200 FISTS

stickers and a FISTS patch. All you have to do is send in your photo for our Photopages! Winners are drawn by random. Everyone who has sent in a photo has an equal chance to win each month, but you can only win once. Send in your photo today! Ideal photo size is similar to the one of me on page 1 of this issue.

SILENT KEY

It is my very sad duty to inform the FISTS club that yet another fellow CW enthusiast has passed on. Charles Allen, AA0IO, FISTS number 1590 succumbed to a short battle with liver cancer on 12 Sunday, 1997. Charles was a fine CW operator. He will be missed greatly here in St. Louis. From Peter, KI0EG FISTS #2735

CONDOLANCES

Our condolences to Ed WA3WSJ and his family on the passing of his father. Ed is our Code Buddy Coordinator. If you're waiting for a reply to a Code Buddy request, Ed asks that you please be patient as he has family things to take care of at this time.

Our sympathy also to Pete K8OUA and his family on the death of his mother. You will recognize Pete's callsign from his work with the Traffic column as well as the Sprints.

CONGRATS TO:

Tom KI8CZ (ex-KC8DGU) on his upgrade to Advanced from Tech Plus! Tom says "The 13 wpm code test is easier than I thought. Those who think they can't make it ought to give it a try, they may be pleasantly surprised"

Jerry K6ZLL (ex-N2XHY) on his upgrade to Advanced!

Roland KG2LO (ex-KB2WIK) on his upgrade from General to Advanced!

Bill WA8JPR on his upgrade to Advanced!

CORRECTIONS

Troy #3154 was incorrectly listed as WI0K; should be WIOR

John #3114 was incorrectly listed as WB3UEC, should be WB2UEC.

Chuck N8WDH was incorrectly identified as N8DWH. This is particularly inexcusable since I have known Chuck for years. You'd think I've have his call right by now. He told me to remember it by the phonetics 'Wavy Dark Hair', but I can never remember whether it's 'WAVY Dark Hair', or 'DARK wavy hair'. I've changed the phrase to 'Won't Drive Here' since he always complains that our Field Day is too far from his OTH, hi. Sorry Chuck!

George #3030 was incorrectly listed as VE3MMO, his listing should have read: VE3MMQ, Waterdown ON/GOTUA Hythe Kent (W4HZD)

Meet Stephanie KC5VGQ

Hi, I am 15 years old and am in 10th grade. I was first licensed in July of 1996 as a Technician. On Sunday, June 1, 1997, I passed my 5 WPM code test (making me a Tech +) and the General written test. I operated on the 40 meter Novice/Tech+ band for about a week and a half, then went and passed my 20 WPM code test on June 12. I currently hold a General Class license and I hope to change it to Extra in the near future. I love CW and spend my time on the 40-, 30-, and 20 meter bands. All the hams I've talked to have been very nice and encouraging. My only complaint is that when I send my name, many hams drop the "ie" in my name and call me Stephen! I have to go back and tell them I'm a YL and send my name again.

My Dad is AD5X - FISTS #2905 and my Mom is N5UPT. I'm looking forward to receiving my own FISTS number 73 de StephanIE, KC5VGQ

Meet John K3HLU

I've been in FISTS for 6 months, but just getting around to introducing myself. I have been a ham since 1958. First KN3HLU, then K3HLU. Became TF2WKT in Iceland from 1968-1969, W7JEF in Montana in 1971, W4MPC in Florida, then N4JS in the first round of vanity calls...back in 1974!

Operated a lot of VHRF/UHF for 10 years in Mississippi. I was pretty inactive after moving to NJ back in 1986. Back in December, my interest in QRP was awakened, largely by the QRP-L list, and I went on an operating, kit-building splurge. Built a Sierra, ARK4, OHR400, SW160, GM17, WM20, and of course my Emtech (FISTS) NW80, which incidentally, is a great rig! Recently, been working on a couple of the little SST rigs.

I build these things on the graveyard shift. Gives me something to do during those log hours between 1AM and 5AM, when it's quiet at work. Latest project is a CPCW-5 (Cakepan CW-5 watt) TUBE type (6C4-6AQ5) rig, and a matching superregen receiver! These are from Vintage Kit Company. (Am I allowed to mention that they give a 10% discount to FISTS members?)

Anyway, look for me on the CW bands, always QRP. 73 John L. Sielke

Thanks for sending in the biography John, and FB on the Vintage Radio Kit Co I've been meaning to put info about their Cake Pan Radio Kit in the Keynote Vintage Radio Kit Co is owned by FISTS member Carl WBIEYE

The Cake Pan QRP Rig Kit

The Cake Pan is a vintage replica "no frills" basic 5 watt, CW-only design that you build in a fully punched cake pan. It has individually packed components with easy to follow instructions and all stainless steel hardware. It includes a custom power transformer and crys-

tals. I haven't tried one, but the literature says you can build it in just three evenings.

For more info, contact them at 427 North Main Street, Sharon MA 02067. Phone is 617-784-0847. An SASE would be appreciated.

Response to Popular Communications Editorial

Bill WA6YPE wrote to PopCom in response to an editorial by Harold Ort that said "ham radio is only a hobby" and compared CW to police carrying muzzle loaders, among other things. Bill writes:

...You contradict yourself by using the comparison of police carrying muzzle loading weapons and stating that the U. S. Coast Guard has even dropped CW. I can state from experience, being a former Coast Guardsman who enjoys sailing, muzzle loader shooting and ham radio. Neither the police nor Coast Guard communications could be considered a hobby.

In order to enjoy hobbies where your actions could easily infringe on, disrupt, or threaten the safety of others, it is imperative that you acquire and practice some basic fundamentals. Gun enthusiasts with the latest state of the art rifles and scopes often consider the muzzle load shooter with open sights the cream of the crop. However, if that same muzzle load shooter fails to practice the basics of gun safety, he is shunned by all.

The hobby of Sailing is surely not state of the art or fast compared to other methods of transportation over water. Sailing takes more than just going out and buying a boat, turning the key and taking off. It required skills and effort. However there are many that would much rather just go out and buy all the latest fancy electronic navigation equipment rather than learn the basics of seamanship that will save their tails when they become de-masted and de-antennaed in bad weather. The sailing fraternity takes a dim view of those that won't take the time and effort to learn and practice basic seamanship and basic boating safety.

The hobby of Amateur Radio is not intended to be state of the art and like other hobbies it requires effort and perseverance to gain the basic skills.

One of those traditional basic skills is CW. It allows anyone, anywhere, no matter what their economic status or language to communicate via radio. It is the basic form of communication that will make it through when all others fail.

Is it any wonder that the majority of the ham community feels strongly compelled to maintain the standards of learning and demonstrating the ability to practice the basics of the hobby? Hams, like the skilled enthusiasts of any hobby, have little respect for those that would rather cry about the fact that they just can't buy their way in and haven't the self discipline to take the time and effort required to learn the basics. Thanks for your time. William E. Smith WA6YPE

ORP With John Shannon K3WWP

The last two columns have generated some comments. KE3FL, Phil pointed out that I used MW instead of mW in referring to my QRP. I didn't catch that in my proofreading and my spell checker in Word Perfect doesn't know the difference between Megawatts and A couple of you want us to review milliwatts. HI other ORP rigs in the Keynote besides our own FISTS kit. I talked to Nancy about it, and we will do it. Nancy will include reviews as space permits in the Keynote. In fact, I have asked those of you who wanted to see other reviews to write up a review of your favorite rig and submit it to Nancy. Bob, W3CW has already said he would take a shot at it. If anyone else wants to try, just write about your favorite QRP rig in the form of a review, and send it to Nancy.

This month my topic is 'pure' QRP Dxing or Dxing with 5 watts ERP. Some of the things I say will be different for the QRPer in a superb location with a huge antenna farm. Also the info I am presenting is mainly from the USA side. I know we have many foreign members, who to us in the USA are the DX. HI

I never thought that QRP and DX could mix unless you had a big antenna farm in a great location. However, over the past 4 years I have proved myself wrong by making over 1000 DX contacts in 127 countries. I believe that anyone with a minimum of effort can get the basic DXCC award using 'pure' QRP. I hope the following tips help you achieve that goal.

The most important thing to remember about DXing, whether it be with 'pure' QRP or a KW into a stacked array on a 200 foot tower, is to LISTEN before you do anything. Of course, before you can work the DX, you have to be able to hear him.

Once you can hear the DX station, now you listen to see where the DX is listening for replies. If you hear him work a station right on his frequency, then you know he's listening there. Zero beat him and get ready to call, but again don't jump in too quickly.

Listen to find out the pattern of the DX station's exchange. Sometimes after the exchange of info, the DX station will just say TU, and then start listening for replies. Other times he will send QRZ?, or QRZ? de X2XXX, or just X2XXX. Some stations send dit dit. Whatever it is, learn when the DX station is done with a QSO and ready for the next call before you jump in.

Now you are ready to try the station. When that tell-tale signal comes from the DX station, send your call

once, nothing else. If you are fortunate, the station will answer you by sending your call and a signal report then K. You say TU and give him a report, and K. He will acknowledge you and move on to the next QSO. Very quick, like lightning, but you now have a new DX country in your log.

Of course that is the ideal situation, and it is not going to work that way every time, even for the most powerful station in the world, and certainly not for the 'pure' QRPer. Not to say it doesn't happen, though. A few times I have beaten out a fair sized pileup to work a DX station. Why? Sometimes it is propagation favoring you, but there are also things you can do to help.

Be sure your signal is as clean, crisp and your keying is as close to perfect as possible. DX stations often mention that it is not always the strongest signal that is easiest to hear in a pileup, but often a weaker clean signal with perfect keying is easier to copy. If you have a memory keyer, use that to send your call. It is possible to get nervous when trying for some rare DX, and be sloppy sending even our own call.

Another thing that helps at times is to delay for a second sending your call so that the last letter or two extends past the main buzz of the pileup. In my case, the DX station would then hear the WP and send WP? Then I send my call again, and make the QSO. That is assuming there is no other WP in the pileup, and everyone acts properly and does not transmit again if their call doesn't contain a WP. And we know the odds of that. Generally anyone who has a W in their call transmits, everyone with a P transmits, and others will transmit even though their call has nothing close to a WP in it. The best of the DX stations in this case will send WP? KN KN and keep doing this until everyone else shuts up except the WP station. If a DX station does this often enough, he can really take control of the pileup and make it manageable.

Pay attention to whom the DX station is working if you keep calling him without an answer. If he is working one W6 after another, and you are a W1, he may have his beam pointed to California at the moment, or propagation may favor the DX to California path right now. Note his frequency or store it in memory and look for someone else. Come back later and see if the DX station is working stations in your area. If so, jump in and try again.

Next month split frequency, DX rag chews, etc. I'm out of space. Visit my web site at http://www.geocities.com/CapeCanaveral/3852 for more QRP & CW info. -30-

Looking for:

Other FISTS who are using or have modified the Ten Tec Century 21 rigs. Pse contact David Tucker NU4N,1500 Massac Church Road, Paducah Ky 42001 Tel 502 554 0903

Dave says he had a real nice qso with KA1OX/QRP on 20 meters. He was running 5 watts and Dave was running 3 watts with the OHR 20M EXP II. Dave comments that the bands seem to be getting better every day. 20 & 30 meters seem to be staying open later now. Hope this is the start of Cycle 23.

Gordon G4ZPY is looking for a pair of EX WS American Naval Earphones. They are pale green in color and usually have a Boom Mic attached. They completely block out all outside noise. Gordon's hearing isn't as keen as it used to be and he is quickly distracted when on the Key (one of the problems of age, he sez, HI). If you can help locate a pair of these headphones reach him at Gordon Crowhurst, 41, Mill Dam Lane, Burscough, Ormskirk, Lancs, England L40 7TG.

Barry Minsky W2BJ/KA2MB is looking for a *Mercury Paddle*. His address is 21st TAACOM Unit 23203 (CHP), APO, AE, 09263.

Smokey's Engravings

In the May CQ there is an article about FISTS #3128, Smokey KN6AE. He does some fabulous metal engraving, specializing in customizing Morse keys.

Becky KG6GUH knows Smokey and says: "I have seen lots of his work and can say it's quite amazing! He has engraved my om's key - with gold inlay! He will be engraving mine key soon and I will send you a picture. I wanted to share his name and number in case there are other FISTS interested in having some engraving done to personalize their keys. His name and address are: Smokey Gaines KN6AE, 640 E Bayan St., Ontario, Califoria 91761 (909)983-8800

"I also wanted to say what a great addition he is to our Fists CW Club. He is a symbol of what we stand for. When I was learning code, he was always there with a encouraging word. After I received my ticket he walked me though my first CW QSO. Patiently, fully understanding my nervousness, and doing his best to make me relax! He encourages good code, not fast code, and has also started a code practice net on 10 meters, 28.340 from 2300-2400Z Monday - Friday. He is truly a shining example of what an Amateur Radio CW Operator should strive for.

73 Becky KF6GUH."

If We Didn't Have It, We'd Have To Invent It

ARRL's recent ill-fated Novice Enhancement program reaped minimal results. Enhanced Novices are scarce, indeed. If "now You're Talking" failed to inspire benefits, "Now You're Talking Even More" is even less than thrilling. Current "Everybody Enhancement" proposals appear to be outdated and counterproductive maneuvering toward issuance of ham licenses to every citizen at birth, replete with a vanity callsign.

If noncommercial interests below 30 MHz are to survive in the looming future, narrowband techniques must apply. Extending broadband emission authorizations in our already pinched HF assignments is reverse LRP, long range planning, for the past century's sparsely populated spectrum. When the teeming multitudes in China, India, etc. inevitably join recreational HF radio per capita, one need not be a rocket surgeon to foresee ionospheric bedlam. Add to this the factor of surging radiational noise pollution.

Amateur radio is fortunate to have available a simple, effective and economical tool for the coming crowded HF millennium. Manual radiotelegraphy has served us remarkably well through all the years while other emission fads come and go. Sheer logic requires us to appreciate and preserve CW for continued worldwide Communications Enhancement.

Rod Newkirk, W9BRD #1782

Code Buddy Feedback

I've been a Code Buddy since the end of March, helping Claude, **KO6RU** get up to where he'd like to be with his CW. It hasn't always been easy, but it's been rewarding and fun, and the regular QSO's have been as helpful to my sending and copying as I hope they've been to Claude.

Anyone who has a little time to spare, whether it's to improve or to help a fellow Fist improve his or her code skills (or both) should give it a try. The best part is that you'll make another good friend on the bands. If this makes it into print it will be after the Sprint, and if I worked you, thanks! 73 de **KQ6ES** John #2406

My first code-buddy experience was successful. My "student" has just informed me that he now has the confidence to make CW QSO's with other hams.

I'm happy that I have helped him..... I'm sad because I'll miss our CW QSO's and our other contacts via the phone and mail. Once again, because of FISTS, I have met a nice person whom I consider my friend. 73, SAM **KB8OOM** #1582

News and Views From FISTS Members

From Paul KC5RGQ: Glad to finally get my application into FISTS. I received an application from AC6QO back in January '96 and misplaced it. When this one came from K9JXW, I sat down and completed it right away. I hope to be an active member.

Shortly after I first got my license back in October of 1995, I managed to obtain a rather badly broken right arm. Not wanting to put off getting on the air, I learned to send and copy left handed. I still use the left hand on the paddles. Started learning the straight key with the right hand in time for SKN this year. Just passed my 20 WPM test, on the first try, this last weekend and I'm looking for the new Extra ticket to arrive in the mail soon.

I'm a member of a small club of CW enthusiasts here in Alamogordo. Most of us like to get on the air on ten meters and just spend time chatting, much as we would if we were using the mike. We even work MCW over the club 220 repeater with our home brew rigs! This conversational CW practice is great as you develop vocabulary not normally used in a QSO. My transition from 5, to 13, to 20 WPM was comfortable with no conscious effort to build my speed. Guess I'm just repeating what everyone says, that the best way to learn CW is to get on the air and use it!

My goodness Paul, learning to send left—handed with a broken went hand gertonly shows dedicated broken went hand gertonly shows dedicated.

My goodness Paul, learning to send left-handed with a broken right hand certainly shows dedication! That's amazing! Welcome to FISTS!

From Roland KG2LO: I have been having loads of fun meeting new friends on the FISTS calling frequencies. Folks on the CW bands are the greatest! I look forward to receiving the FISTS newsletter and read it cover to cover. Keep up the good work! Hope to meet you on the air waves some day. Take care es TNX. Thanks for the kind words, Roland! I'm glad you are enjoying being a FISTS. Congrats on the upgrade to Advanced!

From Ken AD4OS "The Voice of Purdue University": I was wondering if you know if there is a FISTS group getting together for field day in Chicago area. I have an internship with Motorola's cellular division in Arlington Heights this summer, as a rf engineer and will be away from home during field day. I would like to get together with other cw buffs. If there are none I am sure Motorola has their own club. I can be reached at my email address kwarren@ecn.purdue.edu or callbook address. I not sure of a phone number yet.

Wouldn't you know I didn't get this in the KeyNote in time for FD – but maybe you can get a FISTS group together to operate the FISTS Anniversary Special Event! Congrats on being elected Presof the Pardue Ham Club, Ken!

From John KC1MI: I thank all of you for pulling for me during my hospital stay and what turned out to 2 major operations. Received some new plastic intestinal tubes and needed more emergency surgery in my throat. Guess the surgery in the intestines did not go 100% because a priest was called in to administer last rites. I was told ahead of time however that this is a pretty rare operation but my only out. So being the stubborn ham that I am, I said "lets get on with it, I'm no good this way".

Thanks to all of your thoughts and prayers I made it. I am house bound and in serious pain but the pain medication helps a lot. Am very weak and have lost lots of weight which I need. Very weak so spend most of the time relaxing in the bed and eating like a horse. The doc won't let me exercise yet but pretty soon, to build myself up again. I'd like to thank the club publicly for their thoughts and prayers. I really got a kick out of your card, it really cheered me up. Well till next time, my visiting nurse just said "back to bed" 73/88 to all for now, John KC1MI We're glad your operations were a success John, and hope you have gotten your strength back and we hear you on the air soon! You're in our thoughts.

From Alan WA0FAX: Another Sprint has come & gone. Sure makes a nice little contest for a Saturday afternoon. Seemed to be more FISTS this year too. 40 meters wasn't bad, 20 seemed kind of flat. I didn't hear anything on 10 or 15. I also called CQ on the 40 meter novice band until I was cramped, but didn't get a novice/ tech response. Where are all these hams hiding. All I work up there are other guys trying to work novices. No wonder they want to give these bands away. I guess the night time is far more active tho'. Did work a Russian FIST right at the very end. Worked FISTS that I have talked to before, some many times, as well as many new ones. The FISTS QSL buro will be busy for sure, which is another good benefit. Anyone who wants to participate in an easy contest, meet new FISTS or fill in the blanks their Century Award sheet - get into the FIST activities. That's what it's all about.

Yep Alan, that's what it's all about! The Sprint 1S alot of fun. The results are elsewhere in this issue of the Keynote, along with more comments.

From Alan K6SRZ: Is there a FISTS calling frequency on the WARC bands? In California, 14.058 is jammed with all manner of QSO's and late at night when I do much of my operating, 7.058 is obscured by Asian SSB. The top end of 30 M is often clear.

This has been discussed quite a bit, but no one seems to be able to agree Let's try the top end of 30 and see what happens, OK? Let me know how it goes.

From John KG9HE # 2501: Here we are in the mountains of east Tennessee, or as the old timers call it, Upper East Tennessee. The move went off without a hitch, and all of my radio equipment, and computer arrived in working order. Couldn't wait to put the shack together and get on the air.

Had two brand new Radio Works antennas and four ideally located trees, so with a little help from my wife, my trusty slingshot, and a local ham, I have them positioned. The Super Loop faces northwest, and the Carolina Beam faces northeast. Amazing what a little elevation can do.

My first week resulted in numerous early morning contacts into Australia and New Zealand on 30 meters, think I had a few Japanese stations thrown in too. Didn't get any FISTS #'s for my first Century Award though. Wonder if we have members down under?

Second week concentrated on European and Mid-East paths. Again no luck on the Century Award. This surprised me because I have had a number of FISTS contacts in England and Europe and know there's a bunch over there. These contacts, including one in the Ukraine and one in Macedonia, were on 20 meters near the FISTS calling frequency at around 22:00 utc.

The local Amateur Radio Club is very active, involved in many local events. Many trying to upgrade, and I hope with the presence of a CW nut, they will be fertile ground to plow for FISTS.

Thanks Nancy and the group for a great club, and special thanks to my friend Bob N9UUI FISTS # 2402 for the sponsorship and periodic skeds on 30 meters. If anyone is interested, especially county hunters, look for KG9HE, FISTS # 2501. I'm usually on 30 meters early and late, and also 20 meters calling CQ FISTS on frequencies 10.110 and 14.058. I may be the only active CW operator in the county. From Johnson County in Upper East Tennessee, 73 John.

FB John, I'm glad you're move was successful and you're back on the air so soon! We do have FISTS in New Zealand, but I don't think we have any in Australia yet.

From new FISTS member Ernie KD6VMY: Just a note to say it was a pleasure having a QSO with a gentleman op Mr. Branca K2SB...There is a difference with a FISTS op, I have noticed...they never hurry the QSO and always say a great thanks, well wishes, great conversation and an interest in the QSO. K2SB did as promised, followed up with a form for FISTS and no hard sell -- only kind words for FISTS and members. Welcome to FISTS Ernie, there certainly is a difference when you work a FISTS member on the air - one of our mottos (coined by Don KC4UUG) is "when you work a FIST, you work a friend"
ISSUE 7 1997

Bunny AE4P sends in his renewal with the note: Just wanted to let you know how much I enjoy the FISTS Club members. I qualified for my 2nd Century Award today!!! Finally got to talk to Irene WO8E just before the Spring Sprint began.

Thanks for the renewal Bunny, and congrats on your 2nd Century. I'm still working on my first, believe it or not!

Dan AE4AI writes: I am pleased, very pleased, to be a part of FISTS. I send copies of the application/info sheet out with every QSL. It is an honor to belong to such an outstanding group of decent hams. Thanks to you and all the other great ops who work to make FISTS possible. I am a single parent and see to have little time for radio, but when I do I head for 7.058 or 14.058. FB Dan, I'm glad to hear you are enjoying being a FISTS member. Being a single parent must make it hard to find time to get on the air. I've never had any kids, but sometimes I feel like a mother hen with FISTS. Maybe that's why I rarely have time to get on the air, hi.

Bob N9UUI sends in his renewal and says FISTS is the best club he's been in yet! He's enjoyed meeting nice people like N3XJQ and AC5GP on the air and hopes to meet many more.

From Gene KI0FM: I'm sending in my renewal for another year, thanks for last year. Have been off the air for 7 months now but should be back on the air soon. Enjoy all of the articles in the newsletter. I want to thank Scott W3CV for the article about Emtech. I purchased a complete kit and should be on the air shortly QRP 40 meters. This is one nice kit, my first kit. K3WWP John Shannon's articles got me interested in QRP, keep up the good work. I love the FISTS CW Club. How about this, "Try the rest, then go for the gold and join the best; FISTS CW Club."

Thanks for the renewal Gene, when you get your Emtech built drop us a line and let us know what you think of it!

I was sorry to read this letter from Carl WK4CR (ex-KR4VQ): I won't be able to renew my subscription this year. Am not doing too much radio lately. Guess ham radio was getting to be more important to me than my family and was overlooking a few things so I better get my act together. Maybe someday I'll be back, but for now I will call it quits. If you hear from any of my friends like Don KC4UUG, Maggie WP2T or Scott W3CV pse say hello for me and tell them that I always remember them. So long for now, God Bless! Hope you work things out and we hear from you soon Carl; We'll miss you on the air!

From RJ (Bobbi) KB9GKX: Thus far, I have managed to work one FISTS member; given a limited amount of activity, low power, and my closest crystal being 2kc high (7060), that's really not too bad! He was the first QSO on my recently-completed 1930's Jones Regenerative Oscillator single 6L6 transmitter, about 10W out. Did succumb to temptation and set up the HW-9 yesterday—looks a bit funny among all the 1930s-50s gear but it's more frequency-agile and less TVI-prone. Would probably drive an 807 pretty well, too! You must have a fascinating shack, Bobbi Thanks for the history of CW terms article, which I printed elsewhere in this months KeyNote. I'm sure many will enjoy reading it.

From Lou NB2T: Hello, I have been a member of FISTS since Feb. I have just applied for my Century/QRP award. In the three months it took me to work over 100 points, I have never had so much fun getting back on CW again. I joined at the request of a dear friend, John WB2EXI. John and I operated RTTY for many years together. But he has always been a CW operator.

Your group of fine CW ops are always there to help. I have brought one ham into the FISTS group and I think another one will follow, since he asked me for an application. I still believe very strongly that CW should remain as one of the requirements for getting on HF. I have voiced my feeling to parties concerned at the League, and other people that CW is the only way to show any newcomers into this fine hobby. Too many changes in this hobby are not helping, but hurting.

The FISTS group are showing the right way to get into the hobby. I can't believe that over 500 people have joined this fine group since I did. You must be doing something right, CW Forever. Good CW operators show the way. 73 Lou NB2T

FB Lou, thanks for letting us know that you're enjoying your association with FISTS. FISTS members have good reason to be proud of themselves and our club, I think we set an excellent example of CW operating on the bands! And Congrats on aetting your Century/QRP in only three months—that's remarkable!

Ken W6NKE sends in his renewal for two more years with the note "This will cover me for a few more years. I'm currently 77 and hope I will have to pay for further renewals! I read your debate with W5YI with great interest. You hit the nail on the head! The elimination of the code requirement is strictly based on greed (money)! The same applies to the manufacturers of ham radio equipment. Profit is the bottom line and the good

of ham radio is way down their list of priorities. Unfortunately the same basis, profit, exists in some of the major ham radio organizations. I feel FISTS is the major stronghold of preserving CW as a requirement of obtaining an HF license.

"I've been a ham and commercial operator for 16 years. There have been many changes during that time. However, the move to eliminate the code requirement for HF license privileges is the most frightening. It will open Pandora's Box and they'll never get the lid back on!

"I've been able to work a number of FISTS members around 14.050 kHz but haven't encountered any on 40 meters. What frequency do members hang out on the band? You'll find FISTS all over 40 meters, Ken, particularly on the OS8 area — or try the Novice band around 7.108.

Some thoughts from Jack WB2FXK: 'Everybody asks how many FISTS I have wrkd - no idea, but nearly 400 QSL's so far. Probably 50% on your .058 freqs. When I hear someone calling CQ FISTS or some other club I always think they want to QSO a member of group, so I very seldom call CQ FISTS if I just want to QSO and I catch a lot of non-FISTS ready to join up. (Jack is one of our most successful "recruiters"!)

" I had a great time in Dayton wid everyone but you and Irene (WO8E) really make the weekend. I never remember all the FISTS I met, hi. Great QRP column but think they should give US a lil (LOT) credit for digging those weak signals out of QRM/QRN/QSB, hi! Don't let us get in the habit of knocking other modes, etc of Amateur Radio to make CW look better.

"I'm teaching code still and believe getting on the air and working stations is the best, easiest and most fun way of learning code. Some people can enjoy tapes and W1AW but I never did. Also not interested in how fast you or I can copy, just so you can copy me and I can copy you thru QSB, etc. Probably most QSO's run under 25 wpm, so I'm in this hobby to communicate and enjoy. Thank goodness a lot of hams have slowed down for me over the years so I could enjoy and have stayed with it.

"Thank you for being a FB Rep for FISTS in the debate with W5YI. You sure did a great job, professional and did not get off the target. I sure ramble a lot, but wanted to stress that we appreciate you very much." Thanks sooooo much Jack, I really appreciate your kind words! Next year in Dayton, don't forget to check into the FIST Booth before you go flea marketing so we know you're there, hild this year, Jack didn't check in with us until late Friday and everyone was asking "where's FXK??" He had us worried!

Bud **WA2BQI** has been quite 'radio-active' in 1996! He has over 85 certificates and awards, but says his FISTS Century Award (#174) is the best looking certificate by far. His results for 1996 are

- 1. WAS 2. WAS-40 (last state needed was DE, and wudn't you know it, he was a FISTS member K3AS!)
- 3. FISTS Century Award
- 4. 2nd place out of state for NC QSO Party/97
- 5. 1st place NY for TN QSO Party
- 6. 1st place NY for IL QSO Party (2nd vr in a row)
- 7. 3rd place NY for WA Salmon Run
- 8. 1st place single op single 40 mtr ARRL DX 'test
- 9. 1st place operating 96 Field Day class 1D
- 10. 1st place NY for NB QSO Party
- 11. 5th place NY for WVA QSO Party.

Bud's comments concerning the CW Debate is "STOP YAKKING - START CLICKING"

Bob W1FHP sent me a sample of the QSL card he sends out for his club CW contacts - it has a sketch of a hen with headphones sending with a straight key and says "from the Hen House Gang" and of course, the FISTS logo. Very cute!

Gordon G4ZPY, of G4ZPY Paddle Keys International fame, sent along a very nice letter, saying that he's hearing very good reports on how well the NA FISTS is doing. Gordon says he tries to get on the air most evenings (UK time). He was off the key for about 10 years because he just could not find the time, but Brenda (his wife) insisted that it was time he got back on it. He says he "was scared stiff at first, because my CW had sadly gone down hill. I am getting back up to speed slowly now, and can go about 20 on a good day. On a bad day I'm down to about 14. It is embarrassing when people expect you to be able to tx at about 30. I don't think I shall ever get back to that speed, because my poor old brain won't work that fast these days. My keys will not be collectors items for a while yet. I am not ready to "cock my toes up." Thanks for dropping us a note, Gordon And FB on your not being ready to "cock your toes up" - I don't have one of your straight keys yet, hil

PS: We have applied for, and received, the Domain Name of "fists.org". Consequently, the URL of our Web Page will be changing in the near future to a more simplified address, probably "www.fists.org". Lee N9NVV is working on switching the systems over to the new address. We'll keep you posted on the progress and let you know when you can start using the new address. The old address will have a link page, so people still using the old address will be able to find the new page.

CW In Canada

Here in Canada, we have a problem that doesn't seem to have a solution. There is a very small percentage of Canadian hams that belong to RAC, I think it is about 25%. RAC officials have decided, with no debate, that their job, after elected, is to "Make decisions" on behalf of Canadian amateurs. Their decision on code.. is no code. They have closed the books on the issue and are not interested in any sort of democratic process to deal with this issue.

Sadly, myself, and other hams have found that there seems no way to deal with this issue, without bypassing RAC, and lobbying our federal radio department, Industry Canada, directly.

IC has responded with dismay, and has temporarily halted a transfer of powers to RAC in regards to license administration, etc. RAC thinks this is a terrible thing, and do not see this as a lack of confidence in there arrogant ways. (They believe this is strictly a financial thing). I do not know where this is heading. Insight from you or anyone else at FISTS would be much appreciated.

There is no official survey of the approximately 47,000 Canadian hams on the issue. But straw polls continually indicate that the retention of a CW requirement is favoured.

It is very unfortunate for all of us that we have such a narrow focused and undemocratic group as RAC. And, of course, their view on the code requirement is disheartening.

With any luck, they will pay some attention to the ground swell of opinion in the USA about this code issue. Thanks to FISTS is due in no small measure!

Jeff Smith VE1ZAC # 2048

Novice Band Calling Frequencies

I think we all agree that we need more activity on the Novice Bands - Arnie KT4TK writes in and say: "We as Fists, always talk about trying to help others learn the code. That's a great goal and I think we should continue to do just that. I do think, however, that we need to have specific calling frequencies within the Novice sub-bands like we do in the General portion of the bands. The following are my recommendations:

10	meters	.28.	108
15	meters	.21.	108
40	meters	.07.	108
80	meters	.03.	708

Let the CW amateur community get to know these frequencies and they will start to be used.

I didn't consult a band plan to get these, so hopefully I didn't step on someone's toes (hi). Arnie-KT4ST"

MONEY, Money, money

With all the new FISTS joining up, there are probably some questions about "Where does all the subs money go?" As you might imagine, most of it goes toward postage and printing. Each new member gets a certificate and complete set of photopages (if you haven't gotten yours yet, don't worry - I'm working on it!). The certificates cost about a quarter and the package costs .78 cents to mail.

In a typical month we spend .55 for a KeyNote (24 page); .10 for a single sided photopage and .27.7 for postage. Add that up, multiply by 12 and it comes to about \$12.15. So, 80% of the subs goes directly toward the newsletter and new member packets.

Sending out samples and applications to prospective members gets VERY expensive at .78 apiece for postage. In fact, we are going to stop sending out sample Keynotes to those who do not include sufficient postage or a green stamp. I hate to do that, but it's eating us out of house and home. Joe KK5HR is doing a fabulous job keeping track of all this and sending out the requests for FISTS information.

From now on, when we get a request for information, Joe will send out one of the tri-fold brochures like we gave out in Dayton. It tells quite a bit about FISTS, includes an application, and best of all only costs .32 to mail. That will help keep expenses in line, as we get at least 50 requests for info a month.

The PO box, bulk mailing permits, Web page DNS, Century and other awards, and the QSL Bureau are paid for by the subs money.

The buro is supposed to be self-supporting, so PLEASE include some stamps when you send in cards or a dollar once a year if you send DX cards. DX postage is at least \$5 a month, which adds up to over \$60 a year. If everyone who sends cards chips in a little it would be appreciated!

The member roster is published twice a year (Jan and July) in the Keynote. The new FISTS are listed in the Key Note each month, so you can keep your list up-to-date by keeping track of these. If you need a list pse send a dollar to defray the expense because the membership roster is 10 pages long now. The list is also available on our Web page - the space for which is donated by Lee N9NVV, our NA Award Manager.

Other costs we incur are the Presentation materials We have three sets of them and include sample Key-Notes and applications. We also have a small investment in audio cassettes for our Talking KeyNote which is sent to our blind FISTS members.

Having the booth at the Dayton Hamvention has been a big boost to FISTS. We are very grateful to the Hamvention people, who have given us the equivalent of a \$500 booth for the last five years! But, that doesn't

mean it doesn't cost FISTS anything. We pass out a thousand sample newsletters, applications and info sheets at the Hamvention each year.

And there is the hardware that keeps FISTS running. We also need software for making the KeyNote, keeping track of the finances and members, as well as paper and ink for the printer, stamps, and phone calls.

Whenever we have any excess in the bank, I "reinvest" it in supplies. Buying things like patches, pins, stamps in bulk lets us pass the savings on to you. These items are sold at cost, so there isn't any profit involved.

I've been asked about Life Memberships. I like the idea, but FISTS is growing so rapidly it's hard to get a handle on what the projected costs are going to be over the next few years. I'd hate to commit to a price for a onetime Life membership, then find out we don't have enough to run the club down the line. We haven't had a subs increase in our 10 years - in fact it's been reduced. Original FISTS may remember that subs used to be \$17.50. We really are operating on a shoestring, and I'm doing what I can to keep the costs down.

All FISTS workers are strictly volunteer - no pay, but I'm sure I speak for all of us when I say that the satisfaction of seeing FISTS grow is the very best "perk" we could ask for!

PSE QSL! by Bill Roberts, K7UF #3122

I enjoyed Marty Reid's #2668 letter. It was ten years before I realized there was a mic jack on my rig. Marty's letter brought back memories of all night CW sessions as a Novice on the 40M band. I still have my first PR crystal, but now it's mounted on a wall plaque. I spent many sleepless nights worrying if the FCC could tell if I was running 90 watts from my Globe Chief.

That was over 30 years ago and I still find myself in the middle of the 40M Novice band working the new operators. If it wasn't for some of the Generals helping me improve my code skills I would never have made it this far. The Novice was a one year license and not renewable. I have made it a point over the years to continue the practice of helping the new operators. I may dose off between the letters now and then, but I remember I also started out the same way.

It was always an unwritten rule on CW to send a QSL card. No self respecting Ham would ever think of asking for a SASE When a card was received, a card was always returned. Of the last 35 cards I mailed, I have received only 12 in return. Come on guys get with it. CW operators are few and far between, perhaps a dying breed if others get their way. Lets keep our fraternity an elite group of radio operators. Be proud of your call and your stature, send out your QSL's. Help keep our ranks strong; professional and courteous. We are what Ham Radio is all about! Bill K7UF

Product Review: MFJ-9420 20-meter QRP SSB Transceiver by Phil Salas - AD5X

Oh no. What do I need another radio for? Well, I found a great deal on a brand new MFJ-9420 transceiver with microphone, CW adapter, and matching power supply. The price was too good to resist, and I'd heard lots of good things about these rigs.

The MFJ-9420 transceiver is a small (6"X6.5"X2.5") light (2 pound) 20 meter SSB transceiver that puts out 8-10 watts PEP. It was designed by Rick Littlefield who has written many QRP articles over the years. It has a very simple layout which includes few controls: on/off, tune, main tuning, and audio gain. The "tune" button puts out a carrier so that you can adjust a separate antenna tuner or check VSWR. The 9420 uses an analog tuning dial. However, I found this tuning dial to track accurately across the band. The receiver incorporates a 6-pole crystal SSB ladder filter that appears to be very sharp. It also includes a built-in speaker that delivers plenty of audio. The 9420 only draws 100 milliamps on receive, and 2-amps maximum on transmit so you can run it a long time on a small gel-cell. If you think about it, 10 watts PEP is only 10 db (about 1-1/2 S-units) below the typical 100 watt transmitter. MFJ helps compensate for this with an extremely effective audio compressor which keeps your average transmit power higher than normal. This results in an extremely punchy audio signal which elicits good comments from stations that you talk to. Contacted stations are always amazed when you tell them that you are running only 10 watts. As an example, on March 22 I worked ZF2JC/ZF8 (Little Cayman Island) in the middle of a huge pileup. He answered me on my third call and told me I had an honest 5X7 signal!

Along with the 9420, I also received the CW adapter. This helped cinch the deal on this radio since I spend 95% of my time on CW. The CW adapter is a small plug-in circuit board that easily mounts on pins on the main board. Three screws hold it in place. A CW on/off switch and a 1/8" key jack which are mounted on the sub-board line up with holes on the back panel. Circuitry on the sub-board unbalances the balanced mixer to get a carrier output, offsets the carrier 700 hz (this is adjustable), provides a 700 hz sidetone, and provides an adjustable break-in delay time. There is also a variable capacitor so that you can rezero the main tuning dial after the CW adapter is plugged in. The dial has two scales: the outer scale covers the 14.15-14.35 Mhz phone band, and the inner scale covers the 14.00 to 14.15 Mhz CW band. The CW on/off switch on the CW adapter changes the tuning range between the two.

Since this is primarily an SSB transceiver, features such as full QSK, RIT and a narrow filter are not provided. However, the CW performance is quite ade-ISSUE 7 1997

FISTS CW

quate. Incidentally, while 10 watts PEP on SSB is considered QRP, only 5 watts CW is. So, I am not really operating QRP when I use this radio on CW.

I also have the MFJ power supply. This is simply a 14 VAC wall transformer, and a small box which contains a full wave rectifier and a 12-volt 3-terminal regulator with three diodes in the common leg which gives a 13.7 VDC output. A 3-terminal TO-220 regulator is only rated at one amp so I was curious as to what a reduced output current would do to the 9420. The power supply didn't start limiting until the output current started to exceed about 1-1/2 amps. Running the 9420 from a high current power supply, the CW output power is 10 watts. Running from the tiny MFJ power supply, the output power was 8-watts. Not bad! There is now a 78S12CV TO-220 3-terminal regulator that is rated at 2-amps. I'll probably give this a try pretty soon.

I do have a few criticisms. First, there is a deposited (on board) printed circuit trace that is the input fuse. If you ever hook up power backwards, you will blow this trace on the pc board. I am going to put an in-line fuse in the power cord and bypass this fuse with a buss wire. Also, the reverse voltage protection diode is a 1N4001 which is only rated at one amp. Since the pc trace/fuse can handle at least 2 amps, the diode may open up before the trace does if you connect power backwards. A three amp diode in this position along with a 2-1/2 amp fuse would make more sense.

Next, the 9420 doesn't have a headphone jack. This would not only be handy for quiet listening at home, but it is also necessary if you want to use one of those CD-to-tape player adapters to pipe your audio through your car stereo system. The 9420 has a balanced speaker output that is not referenced to ground so adding a headphone jack is not as easy as normally expected. I got around this by mounting a Radio Shack RS 274-246 enclosed closed-circuit 3-conductor 1/8" jack in an enlarged hole on the back panel. This jack has an outside diameter of 1/4" so I drilled a 3/8" hole in the back cover and used a 1/4" nylon washer (local hardware store) to insulate the nut from the chassis. I just centered up the jack in the hole so it didn't touch the chassis, tightened it up, and then added a drop of epoxy to the jack to make sure it never moves.

Finally, I would like to add a narrow audio filter for CW, as well as a "spotting" switch and circuitry. There is plenty of room inside for these additions. I'm sure this will happen within a short period of time.

Overall, the MFJ-9420 is a great little rig. They show up on the used market periodically. You can get a good start on HF with this little rig when you get that General Class license, and continue to use it as a portable or mobile rig after you upgrade to a multiband HF rig.

PSE QRS

Last month, I printed a comment from Rich AC4NW, who is of the opinion that slowing down to accommodate those who can't copy faster is not good because they will never increase their skills that way.

From Irene WO8E: I would like to respond to Rich, AC4NW regarding his comments in Issue 5/6 of the Keynote. Rich disagrees with the idea that we should slow down to accommodate the new or slower operators. I believe he has forgotten as FISTS and ham radio ops we want to encourage not discourage.

Yes, it is true there are code practice tapes out there to pick up our speed. But there is nothing like the experience of being on the air. I am thankful for Don, KC4UUG and Maggie, WP2T during those early years of Don's net for keeping the net at a speed that all would be encouraged to join in. If they had not slowed up for me, I would never have had that enjoyment of taking part in the Fists net.

I hope that our new members will not be discouraged by Rich's AC4NW point of view, believe me, it is not the Fists view. Irene, WO8E

I disagree with Rich, AC4NW about not slowing down for a slow goer on the air. One of the best ways to discourage a new CW-er is by going too fast for him/her. One of the best ways to encourage as new user is to demonstrate kindness by slowing down and sending beautiful code, and to give plenty of encouragement and praise.

I do not disagree with his methods of gaining speed. I will only add one more which he seems to be against, get on the air and practice by making plenty of QSO's and join a slow net. The MSN (Maryland Slow Net) sends at your speed and then at about 1/3 the way thought all the messages they hope you're up to 15 WPM because by that time they start sending at 15 WPM and you have to request slower. Actually I always ask because even beginner MSNers can be extras & want to go faster, or they can be on their way to that General or Extra & would like double practice, one is receiving fast & one in learning about CW traffic handling.

Bottom line for CW speed? Practice, practice, & more practice. There is no substitute for practice. 73 de Phil Karras, **KE3FL**, #3117

From Bob AA2SM: I find that just about every FISTS member I have had a QSO with always strives to send at a speed which they can handle and more important they seem to concentrate more than others on spacing and using correct punctuation and "Q" signals. Although I have no problem in copy of a person sending at 30+

PAGE 14

WPM and sending correctly, I find it very difficult to copy a person sending 10 WPM and running words together. I often go to thee Novice portions of the bands and enjoy working with fellow hams just starting out on CW. One of the biggest enjoyments I have had on CW is having a QSO with a ham and his/hers first ever CW contact.

I have had the pleasure of being a first contact on five occasions and you can almost sense the excitement of the moment for those hams. I remember my first time on CW and let me tell you, I was really nervous. As soon as I made my first contact, I wanted to say 73 and call it a day. It was my luck that after I mentioned it was my first CW QSO, he then wanted to ragchew - hi. I did have the opportunity to run into the ham who I had my first QSO with 6 years earlier. Although he did not remember me, I did express my appreciation for his patience that day, and putting up with my effort. My advice to operators just starting out on CW is to practice, practice and more practice. With that comes confidence in your sending and receiving. There are a lot of nice contacts to be made on CW and a lot of good DX with the use of a modest setup in equipment. I have an old reliable Kenwood TS 830S, an A3S Tribander and a dipole hanging in the backyard, which my XYL on occasion has tried to hang things on , hi I really enjoy reading the Keynote Note every month. Find it real interesting and sometimes read it three times. 73 Bob AA2SM.

CW ELITISTS? NO! by Bill Marsh K3AS #2164

Most of you who read this will be members of the FISTS CW CLUB, the International Morse Preservation Society. The stuff that binds FISTS MEMBERS together above all else is a love of Morse. Friendship, courtesy and helpfulness are usually part of the mix. I happen to think this is also true of the CW community at large. But there are differences too. And since we are a CW fraternity the most obvious of these are our variations in skill at receiving and sending Morse code, and operating procedures.

One of the definitions for SKILL in my dictionary is "Proficiency, facility, or dexterity that is acquired or developed through training or experience." The same dictionary also defines ELITE as " The best or most skilled members of a group."

So the best or most skilled members of the CW community become the elite, although I'll bet not many of them think of themselves that way! Even if some do, it's a far cry from ELITE to ELITIST which my trusty dictionary defines as "The belief that certain persons or members of certain classes or groups deserve favored treatment by virtue of their perceived

superiority, as in intellect, social status, or financial resources." Wow, who wants to be one of those! There will always be differences in skill levels, but vive la difference!

I don't believe there is an elitist conspiracy afoot to ignore the newer members of our hobby. The great majority of CW ops do lower their speed to accommodate the other person, without being asked, and try to be helpful in other ways. While there may be an occasional individual whose attitude would not embrace the FISTS code of ethics, they are extremely rare. Many cases of discourteous behavior are simply accidental.

So let's continue with the ham tradition of the more experienced helping the less experienced. As some-body once said "Lets all hang together or we shall hang separately."

POLITICS

Even though FISTS is not a Political Action Group, many of our members are very involved and concerned with the future of Ham Radio. From time to time, I've put articles in the KeyNote, urging you to write a letter to your ARRL officials telling them your thoughts regarding Morse Code and it's importance to you as a Ham and to the future of the Amateur Radio Service.

The only way we are really going to get our message across to the ARRL and The Powers That Be is to have a united voice and make sure our voice is heard. You may think that your vote doesn't count or you may have even given up fighting for CW, thinking that your opinion isn't important. That could not be further from the truth!

This is the time of year when the ARRL is taking nominations for the upcoming election of Officers. Some of our FISTS members are so dedicated to The Cause that they have decided to run for office themselves and fight for what we believe in.

It is important that you participate and vote in these elections. Vote for the candidate that represents your point of view, not just because they've been in office forever. With the WRC-99 and other conferences coming up, we need to be sure that the people in position of influence will have the best interests of <u>our hobby</u> in mind; not who's buying the advertising space in their magazines.

You may decide that you would like to run for office yourself - anyone who has been an ARRL member for four years and holds a Tech license or higher can file a petition and run for office (See July QST for details) We need to get more officers in the ARRL who will represent the people, not the commercial interests!

If you decide to run, let me know so I can put it in

the KeyNote. As I've said, FISTS is not a Political Action Group, but I think we owe it to ourselves and the future of Ham Radio to be INFORMED members of the Ham Community. Candidates who have Pro-CW points of view deserve our support in the elections.

Joe Falcone **N8TI** is running for Director in the Great Lakes Division (Ohio, MI, KY). He writes:

"I have decided to run for the position of ARRL Director of the Great Lakes Division. I realize that in order to ensure that Amateur Radio does not wind up as an extension of CB Radio, we all have to make sure that the ARRL acts on behalf of its members rather than on behalf of its paid employees.

"To achieve that goal, ARRL members have to vote into the ARRL's elective offices people who are not willing to sell off the future of Amateur Radio in exchange for a few more pages of advertisement in QST. Just as accommodating the use of thousands of newly purchased CB radios did not "save" CB Radio, eliminating the requirement of learning Morse code to promote the sales of thousands of HF radios is not going to "save" Ham Radio. Filling up our already crowded ham bands with thousands of new single side band signals should not be the purpose of the ARRL.

"The amount of profits of those who engage in the "business" of Amateur Radio should not be the concern of the ARRL. The ARRL should only use its resources to encourage the wise, proper and enjoyable use of our radio frequencies. In order to do so, there must be some form of meaningful licensing requirement. We have learned from the CB fiasco that if we lower or eliminate licensing requirements it will result in chaos and the eventual uselessness of the band. We have learned from the no-code licensing in Amateur Radio that those who truly have an interest in Amateur Radio will make the effort to upgrade. Already in many of our major cities, the Two Meter band is already little more than an extension of the Citizen's Band.

"I want to be elected as a Director of the ARRL in order to give that organization back to its members. If the paid ARRL employees will not support the retention of the Morse code requirement, according to past resolutions of the ARRL's Board, then I will make every effort to terminate those paid employees.

"I urge that FISTS members run for ARRL elective office in each Division and Section. I respectfully request the support of FISTS members in the Great Lakes Division. Joe Falcone N8TI"

If any other FISTS member decide to run for a position in their districts please let me know about it so we can keep the membership informed.

CW TRIVIA

by Roberta J. Barmore, "RJ," KB9GKX

Most of us are vaguely aware that many International Morse prosigns and common abbreviations came over from landline telegraphers. But the details are often mysterious and some of them may surprise you.

Starting with "The End"

The prosign for "end of transmission," _SK_ (or _VA_ for the pro and military ops) seems related to nothing but it has a close cousin in the press service. To this very day, news writers put "30" at the end of a story or article to indicate the end. They picked it up from press ops, who used "30" at the end of a transmission; being landline boys, they sent an American Morse 30: didididahdit daaaah. As press (and other) landline types moved over to radio and the Continental code, they took their old familiar procedures along. Over time, the extended-dah Morse zero became a standard-length dah and the whole was sent as one unique symbol. So the next time you hear some op lean on the key at the end of _VA_, he or she might not be a lid, just an old-time landliner!

ES or &?

The familiar shorthand for "and," es, is not borrowed from one of the Romance languages of Europe as is often said. Landline ops had developed a separate symbol for the ampersand (&), dit dididit. The sound came over to radio, but most of us still copy it "es." If your handwriting when copying with a stick is as bad as mine, it looks about the same.

Expletive deleted, or the story of punctuation.

Originally, telegraph code had no punctuation. Most of it was developed on the spot as the need arose, some of it quite by accident. The early landline ops got a reputation for profanity; many of them were paid by the number of messages sent and received each day, and a mis-sent or mis-copied word often as not prompted a "damn" from one end or the other, followed by the last word received correctly. With the need for speed, it quickly became "dn." Management having taken a dim view of hard language, even that was written as "?" when copying, and thus comes the American Morse interrogative symbol, dahdididahdit. It didn't cross over to radio directly — it is almost as if someone failed to shift their typewriter, for we now use DN for a slant bar (/).

In American Morse "period" was originally spelled out, but soon only the last three letters were sent and even was shortened phonetically to just "ud," dididahdahdidit. It was widely used in early radio, later

supplanted by a new landline version of "." didit didit didit, but the Continental _AAA_ was adopted by treaty in the 1930s.

IMI being such a handy symbol and the question mark having been lost to a nameless typist, it became our "?"

One of the characters Continental code didn't get in any form from the wire gang is "!" For some reason, no character has ever been adopted for the exclamation point. Perhaps they figured we were excitable enough already? On the "Boatanchors" CW net, I often use the three double-dits landline period for "!" Copied as "III," it looks about the same as "!!!" It is a bit much but seems to work.

Best Wishes, Love and Kisses, & Other Popular Numbers

"73" and "88" (along with 4, 5, 25 and 30) were used from the very early days of landline. 73 is probably the most subject to abuse; it has meant "best wishes" from the beginning and the commonly used "73s" is redundant.

"88" has a more interesting history. While us YLs used it among ourselves as a less-impersonal substitute for "73" prior to the invention of "33" (about the same time YLRL was founded) and it has served perhaps more aptly in more than one radio romance, the very nearly all-male fraternity of landline ops didn't mean it in so nice a, way. Applied to ops who were thought too fussy over time-wasting niceties, the original implication is probably best rendered for a modern audience as "wimp!"

The other number codes are not widely circulated. A compilation of rail telegraph usage in Tom French's "Railroad Telegrapher's Handbook" (Artifax books, 1991) and information from the Lewis Co. Book, "The Telegraph," indicates that "4" means "Where shall I repeat from" (still used in radio), "5" is "Have you anything for me?" while "25" meant "busy" on commercial wires. (Rail used "25" to indicate high-precedence traffic, and "22" for "busy").

Lid Revisited

The usual derivation of "lid" is that some landline ops used tobacco cans to get a more distinctive note from their sounder in crowed operating rooms, lifting the lid varying degrees to get a sound they could pick out of the multitudinous din, and were derided by the old-timers. I have always found that tale a bit fishy—using a tin can as an acoustic amplifier seems to have been pretty common. One source suggests the term is an abbreviation; an op who couldn't keep up on a fast and busy circuit was often "lifted" and placed on "way" wire where the going was easier. "Lifted" boiled

down to "lid" and if an op was lifted several times, those down the wire asking where he was would be told "lid agn" in the landline shorthand. This became just "lid," and implied a poor operator as it does today.

Many a hapless amateur lid has encountered a Q-signal not found on the official list: "QLF?," "Are you sending with your left foot?" But a clumsy Morse op faced even more embarrassing questions from his wirechief: "How come you're sending with snowshoes on your hand and the key screwed to the ceiling?" or "Why is it you send by holding the key between your knees and squeezing them together?"

Lost and Found

After the Continental or International Morse Code was officially adopted for radio by treaty, most landline symbols either faded out or were "fitted in" to the standard code. One has managed to survive unscathed: we still use the American Morse C in a manner very similar to that of the landline telegraphers. Checking to see if there was traffic on a long common line at a current too faint to actuate his relay or sounder, the landline op would send didit dit, C. And so do we, though it's become all too rare. Even when sent, it's often a prelude to a long series of "V V V N3 TEST" and extended key-down time — I thought modern rigs didn't require much tuning! Must be the antenna tuner.... It's either that, or somebody's wearing snowshoes and has the key tacked to the ceiling.

(Sources: "Dotty Dots and Dashes," Radio_June, 1940; various filler from CQ_, 1950s issues; "Telegraph Codes And Useful Station Information," undated single-sheet handout (late 1930s), Western Union Telegraph Co. in cooperation with the ARRL; "Railroad Telegrapher's Handbook," Tom French; e-mail correspondence from James Haynes).

Our Web Page

Fellow FISTS:

First, an introduction... I am Bill Myers, KK4KF, member #2390. I have been a ham since 1986 and work almost exclusively QRP CW. I spend most of my on-air time on the 40 meter novice section of the bands. I really enjoy convincing these newer hams that there is more to contacts than name/qth/rst. And, I've met a number of our members on this band, apparently doing the same thing...

I am also the keeper of the internet webpage for the N.A. FISTS. Many thanks to Lee, N9NVV, for the harddrive space on his system for this page.

What is available on the homepage? Many things!!! You'll find out about the organization, how to join, pictures of the patches, pins, and stamps. Membership

lists are available for searching or downloading. Information of our "contests" and "events", as well as rules when I can get them for posting. A copy of the last CW message sent out on MARS is there as well as the last message sent out from NMN at Chesapeake Bay. I'll be adding a copy of the Keynote for nonmembers to view as a sample. The current issue of the Keynote WILL NOT BE put on the homepage.

You can also download an application form (Nancy has indicated that many of the current applications are from the homepage). Member internet homepages are linked from there and a list of member e-mail addresses is available. The CQ Magazine article about FISTS is posted. The How-Do-I box from page 2 is also on the homepage.

Picture pages of our members are also posted on the homepage. If your picture was sent out in a Keynote, it is posted. There have already been some concerns about pictures being posted on the internet. The homepage is the "property" of FISTS and if you allow them to post your picture on the picture pages, they also have permission to post it on the internet. If you DO NOT WANT your picture posted on the homepage, please drop me a e-mail or letter stating this and I will blank the picture out.

I have received a number of e-mail requests for the homepage to be "modernized". By that I mean adding more graphics and sound(s). I have also received a number of e-mails complaining about the "colors clashing"and thanking us for not "modernizing" the page. While many of us have upgraded our computers to "state of the art" or "I got all the newest stuff available", there are a lot of our members, and nonmembers, that visit the homepage who do not have all these bells and whistles. Many users are still using 14400 modems and are only displaying 16 colors. High resolution graphics are not displayed very well on these systems and take forever to load, even at 33,600. Just like "ACCURACY TRANSCENDS SPEED" I feel that simplicity convey's more information. By keeping the page simple it appears we can reach more people.

As always, comments, suggestions, or complaints are welcome. Hope to C U on the bands. 72/73's to All Bill KK4KF e-mail <u>bjmyers@arc.net</u> snail mail: P. O. Box 178 Shalimar, FL USA 32579

Sad, but true.....

Heard on the two meter repeater: Operator #1: How's DX?

Operator #2: I don't know, haven't seen her since the divorce....

Ten Commandments of Electronics

1. Beware of the lightning that lurketh in an undischarged capacitor, lest it cause thee to be bounced on thy buttocks in a most ungentlemanly manner.

2. Cause thou the switch that supplies large quantities of juice to be opened, and thusly tagged, so thy days may be long

on this earthly vale of tears.

3. Prove to thyself that all circuits that radiateth, and upon which thou worketh, are grounded, lest they lift thee to high frequency potential and cause thee to radiate also.

4. Take care thou useth the proper method when thou taketh the measure of high voltage circuits so that thou doth not incinerate both thee and the meter; for verily, though thou hast no account number and can easily be replaced, the meter doth have one, and, as a concequence, bringeth forth much woe unto the supply department.

5. Tarry not amongst those who engage in intentional shocks, for they are surely nonbelievers, and are not long for this

world.

6. Take care thou tampereth not with interlocks and safety devices, for this will incur the wrath of thy seniors, and bringeth the fury of the safety officer down upon thy head and shoulders.

7. Work thou not on energised equipment, for if thou doeth Thy buddies will surely be buying beers for thy widow, and consoling her in other ways not generally acceptable to thee.

8. Verily, verily I say unto thee, never service high voltage equipment alone, for electronic cooking is a slothfull practice and thou might sizzle in thine own fat for hours on end before thy Maker sees fit to end thy misery and drag thee into His fold.

9. Trifle thou not with radioactive tubes and substances, lest thou commence to glow in the dark like a lightning bug, and thy wife be frustrated nightly and have no further use for thee except thy wage.

10. Commit thou to memory the works of the prophets, which are written in the instruction books, which giveth the straight

dope and which consoleth thee, and thou cannot make mistakes, sometimes, maybe.

Author Unknown.

Antenna Farms

If you want a really strong signal, you need an antenna farm. A linear amplifier is a good starting point, but without great antennas at good heights, you will be lost in the pile ups. Until now the expensive part of an antenna farm was the towers. A good tower can cost thousands of dollars, making it the most expensive part of the antenna farm. Recent advances in inorganic farming have changed all of this. This paper will give a short introduction to inorganic farming as it relates to antenna farms. Obviously, inorganic farming can be applied to other areas, such as high rise buildings, but towers and antennas are of more interest to amateurs and they are easier to grow.

As always, you will need the space for your antenna farm and soil condition is important. Just as you plant tomatoes and fertilize them with organic fertilizer, you will need the best seeds and the proper fertilizer for your antenna farm. Let's start with a conventional triangular base tower. To grow a tower like this, you need to find some suitable aluminum cuttings. Don't use just any old aluminum that is in your scrap pile. Just as you use the best seeds for your tomatoes, you need to be selective about what aluminum you plant.

High quality 6063 tubing with a good heat treating is essential. Plant about one inch of tubing for each 10 feet of desired antenna height. Be careful to space the cuttings carefully as the spacing will determine the size of the base and therefore the ultimate wind load rating of the tower. You might just as well use two inch diameter tubing with quarter inch walls as the increased cost over smaller sized tubing is not significant. Spending an bit extra on the best cuttings now will result in a much stronger tower later.

Not only must you be careful about the spacing, you must also be careful about the orientation of the cuttings. If they are all perfectly vertical, you will have a straight sided tower. While a tower with angled tubing will be stronger, lighter and have less wind resistance, planting the cuttings at the appropriate angle is best left to the experienced antenna farmer.

We have gotten a bit ahead; proper soil preparation is essential. A year or two before you intend to plant your tower, you must begin to fertilize heavily. The best fertilizer is 6063 shavings. The heat treating is not important for fertilizer. 6063 shavings are assimilated better by the growing tower than larger pieces and their chemistry matches the chemistry of the cuttings. You can also use beverage cans, however their chemistry is not ideal. The high magnesium content of the tops can be a problem. If you have high rain fall in your area, experience has shown that high magnesium content is often not a problem because magnesium is lighter than aluminum, rises more quickly to the surface and is washed away by the rain

Plan on using at least two pounds of your inorganic fertilizer for each pound of the antenna you want to grow. Some quick calculations will show that this is a large amount of aluminum. You can fertilize every day if you are in a hurry, but once a month for a year or two should be sufficient.

Be careful to get the inorganic fertilizer deep into the soil. If you merely scatter the fertilizer on the surface, root growth will be insufficient. There is no greater disappointment than seeing a 100 foot tower blow over in the first good hurricane. Roots that reach 10 feet into the soil are required for a tower that will withstand 100 mile an hour winds. However this means fertilizing to this depth. It is difficult to fertilize that deep, but you can readily appreciate the benefit of doing so.

You might also consider adding calcium to the soil as your antenna grows to form a concrete like base. A good source of calcium is ground up, very fine, oyster shells. A significant amount of oyster shells are required, so this is a possibility only for people who live near the oceans. Clam shells from fresh water, for some unknown reason, do not provide as strong a base as one grown from oyster shells. This might be an interesting research topic.

With good fertilizer and good growing conditions, you can expect to grow a 100 foot tower in about five years.

Growing steel towers has been attempted with disappointing results. As with other plants, rust is a problem. The difference in cost of growing an aluminum tower as opposed to a steel tower is small so you might as well grow aluminum. Titanium is also a possibility.

Growing antennas, as you can imagine, is considerably trickier than growing towers. The problem is in the seeds, fertilizing considerations are the same. To grow a beam, you must first construct a small model of the antenna. An error of a few thousandths of a millimeter in the seed will have an adverse effect on the resulting resonant frequency, gain and overall pattern of the beam. Getting the gamma match correct is a very challenging problem. Growing antennas is best left to the experts.

So there you have it. If you are willing to expend some considerable amount of time and effort fertilizing your soil, are careful about the cuttings you use and if you are willing to wait a few years, you can grow outstanding towers for very little cost.

About the author:

Mark Kachel was first licensed in the late 1950's as KN9AAZ and then K9AAZ. He currently has an extra class license and his call is **NØOKS**. When interviewed about this article. Kachel said "Anyone can do organic farming. I thought it might be interesting to see what could be done with inorganic farming. It certainly does not require a green thumb."

The Traffic Hound by Pete K8OUA

Faithful readers of the Keynote will note that I've renamed this column. I want to move the emphasis away from the FISTS Slow Net to make it a general traffic column. Specifically, a CW ops traffic column. More specifically, a FISTS CW ops traffic column.

Let me start off with a statement that "I think that Email will be one of the greatest innovations to hit mankind in its history." OK, ok, that might not be that profound a statement, but Email has already changed the world dramatically within the past few years. Imagine what awaits us twenty years from now! Imagine the world of communications in only two or three decades. OK, so what's the point?

Everyone knows we're in the midst of a revolution. There will be dramatic changes to our lives because of this revolution. Well, I just want to state my feelings publicly, here. I believe that hams are using Email and the internet too much and too often, to the detriment of our great service and hobby. Oh, no, you say, not another Luddite eager to turn the world back to the 1950's or before! No, I don't believe I am a Luddite, nor do I want to turn the world back! Well, if I could I might, I'd love to be back in the fifties knowing what I know now, but with a young man's face!

No, I am a keen user of the internet, own three different Email addresses, and use two of them extensively. I have a hard enough time meeting Nancy's Keynote deadlines using Email to send these articles, if I had to do it by snail mail I'd never get anything published. But, I still believe that we hams are tending to use Email too often simply because it's easier. While it may be easier, other ways often serve our purpose better.

We had some birthday notices come through the FISTS Email list, suggesting we send an Email message to a member wishing him happy birthday. A great gesture and I'm sure he appreciated it. But did it really serve our purpose as an organization? I wonder how many of us even thought of using the National Traffic System by putting a message into one of our traffic nets wishing this member a happy birthday. Imagine what would have happened to the local nets if, say, fifty messages came to this fellow's address wishing him a happy birthday. This would have shaken up the net considerably. More importantly, it would have given traffic ops across the country practice that they certainly could use in forwarding and delivering traffic. Nor is this the only example of such an overuse of Email. Most of us receive Email messages that could easily have been sent via the traffic nets.

Yes, I know that sometimes you need to say things using more than just the twenty-five words that an NTS radiogram allows. Or, you may want the limited privacy that Email provides. OK, when that's the case, use Email! But, what about the times that require much less verbiage or privacy? What about the article you read in the Keynote that you thought was so great? Couldn't you send a quick NTS radiogram to the author expressing that sentiment? We just don't do that for some reason.

Many, probably most, Old-Timer hams have never sent a message to anyone using the NTS. Yet, traffic handling was the foundations upon which amateur radio was built. It is the reason our parent body is called the American Radio RELAY League. And even today in this world of technological magic, people across the country still receive warm and welcoming messages from local hams. What's that you say? You don't know how to do it? Well, you didn't know how to send Morse at one time either, but now you do.

How about trying this -- pick out someone, anyone, a friend or relative living across the country, a new FISTS member, or me! Find the person's address, and, if you can, his/her phone number. Write him a message of greeting. Doesn't matter what, just a message telling him that you are thinking of him. Then, put it into the system. What's that you say? You don't know how to find the address and phone number of the person? How about the internet? Go to Yahoo and search under "people search telephone". Put in the last name and city/state, and you may find out the individual's address and phone number. My address is Pete Kozup, K8OUA; Warren OH 44481; Phone 330 847-0975. Put it into a net and send it on its way.

Oh, you don't know any nets? Or, you're worried about flash traffic handlers and what they'll say to a novice? Well, bring it to the FISTS Slow Net, 3.682 MHz at 9.00 PM Eastern Time any Tuesday or Thursday evening. Give the message to me, and I will help you send it out, and I'm very gentle!! Sure, this is more complicated and fussy than Email but I can guarantee you that it's also more fun and satisfying. And, it sure as heck does a lot more good for the mode we love than sending it via Email.

Next month we'll talk a bit more about writing messages and getting them into the system. If you have the time, send me a message — I don't care what it says, and I hope to see you on the nets. 73, es ARF, Pete K80UA (I love getting traffic too — My phone is 810-797-5388, street address 5450 Diehl, Metamora MI 48455 —Nancy Kott WZ8C) IB NEWSI ETTER ISSUE 7 1997

PAGÉ 20 FISTS CW CLUB NEWSLETTER

AMATEUR RADIO LICENSE PLATE FEES

This report was compiled from data given to ARRL HQ from ARRL State Government Liaison volunteers.

STATE INITIAL/RENEWAL FEE

Alabama* \$ 3/3

\$ Free/Free -- General or above; \$20/30 -- Novice or Technician Alaska*

Arizona

\$2 -- Private passenger vehicles only Arkansas

California \$21/none Colorado \$ 2/2

Connecticut \$12/Free -- Issued for pass commercial, combination, camper or motorcycles;processing= 9 weeks

Delaware* \$ 10/Free

Florida \$ 5.00/1.50 -- Plus:service fee 2.50; postage fee 1.30

Georgia \$20/free -- "Amateur Radio" listed on tag; Same cost as vanity plates; Fixed five year cycle; must at beginning and every five years; May to July only order period; Much more expensive than surrounding states; Fee also applies when license plates are remade every 7 years

Hawaii \$10/5 -- Must apply through county Civil Defense office; Takes 4-8 weeks

ldaho \$ 5/free

Illinois \$ 3/free - "Ham Radio" appears on plate Car, truck or motorcycle only; if driver has ham tags, may legally use

a headset; special brochure available

Indiana \$ 2/2 \$ 5/5 lowa*

Kansas \$ 1/1 -- Passenger or trucks; Same call sign/tag permitted on cars and trucks

Kentucky* \$25/25

Louisiana \$20/20 -- Renewal every two years

\$15/15 Maine Maryland* \$ 5/5

Massachusetts \$20/20 -- Ham tag fee is half waybetween regular plate registration of \$20 and the vanity plate registration fee of \$70; Plates all expire November 30; Plate registration and vanity plate fee of \$70; Processing time is 8 to 12 weeks; passenger vehicles only (law pending to include other types of vehicles)

Michigan \$ 2/free -- Novice operators not eligible for ham plates; Only people with ham tags eligible for a permit to own

a ham rig capable of receiving police frequencies

Minnesota \$ 10/free -- Can have plate on second car with "dash #"

Mississippi \$15/

\$20/20 -- Affidavit required stating that Amateur holds an amateur license Missouri

Montana. \$ 5/ -- SGL is state legislator; Ham tags issued only to "conditional"; Tags expire Dec. 31

Nebraska \$5/5

Nevada \$25/free -- Plus usual registration fee --Plates not available in NH New Hampshire

New Jersey \$10/free -- More than one car can use a hamcall (eg. W2WEC-2)

New Mexico* \$ 3/3

New York \$11/5 -- More than one ham call can be used, but must be altered (KB1HQ-1) North Carolina \$10/ --Bills currently in House and Senate to raise the fee to \$10.00 each year

North Dakota \$ Free/ Free \$ Free/5 Ohio Oklahoma \$ 2/2 Oregon

Pennsylvania \$ 20/free -- Request for multiple plates (WA3IAO-2) pending

Rhode Island \$ Free

South Carolina \$ 1/1 -- Deadline: July 1 and plate is valid starting Nov. 31

South Dakota* \$ 2.50/2.50

Tennessee* \$ Free/Free -- Must be a member of RACES or ARES; Proof of above is required; Multiple tags may be ordered (e.g. WA4VZQ, WA4VZQ-2, WA4VZQ-3, etc.) Tags say "Emergency" in addition to the call

\$ 2/1 -- Can have the same plate on multiple vehicles; Must have transmitting equipment in vehicle; Title need not be in vehicle; Plates available only for cars and light trucks

Utah \$10/none Vermont* \$15/15

Virginia \$ 1/1 -- Amateur equipment must be kept in the vehicle; Amateur must own the vehicle

Washington \$ 6/free

West Virginia \$ 5/ -- All plates expire July 1

Wisconsin \$10/free Wyoming* \$ 4/4

NOTE: Most states require a copy of an FCC amateur license as well as proof that tax has been paid on the vehicle. They also require that the title is in the ham's name. The license fees, in most cases, are in addition to the usual registration fee.

ISSUE 7 1997

^{*} The asterisk indicates that the information may not be up-to-date.

FISTS Spring Sprint by Pete Kozup K8OUA

The Spring Sprint saw some strange things happening! Almost every station that sent in logs complained about the conditions, and this writer was one of them. Conditions that day were not very good, noisy bands and signals that couldn't seem to bounce off the backyard pond, let alone the ionosphere.

I kept wondering, where are all the FISTS out there? Why aren't more stations participating? It seemed that the bands were noisy, but not with FISTS signals. Yet, if you accept these, how do you explain a winning score that doubled previous winning scores?

How do you explain a higher turnout of logs than in any previous Sprint? And, as usually happens, the comments by those participating were very favorable. It was another fun event that had 36 logs sent in from every call area except the 3rd call area.

Incidentally, to those living in God's country up north, this is a North American Sprint. VEs are able to send in logs too, you know. Perhaps one day I'll drive to the border, set up a rig and get some VE participation in the Sprint. C'mon gang, this is a fun contest, and it would be nice to get some Canadian logs in.

One neat thing that happened was that we got some good DX participation, and some DX logs sent in. Two Russian contesters, Vlad UA6JD (FISTS #1385) and Victor RA3VY (FISTS #1110) both sent in logs, as did Les G3VQO. Thanks fellas, we need to come up with ways of getting DX FISTS involved more -- perhaps this should be a free for all like the CQ WWDX test in which FISTS from everywhere can work other FISTS from everywhere else. As it turned out, this is what happened, to the benefit of all.

OK, here are the results — no question at all about the winner — John, K4BAI, compiled an incredible 15,260 point total. His actual total was even higher than HE had figured, because he did not give himself multiplier credit for each DX station he worked. John had a total of 96 contacts for 436 QSO points on 15, 20, and 40 meters, with 35 multipliers!! Great job, John!! John's total score almost beat the combined scores of the next three places, and these guys were no slouches themselves.

Ed, N2ED (great call!!) in his first Sprint, scored a very good 6,399 points, with 51 QSOs for 237 QSO points, and 27 multipliers. Ed will be one of the ones to beat next Sprint if he can do this well on his first try.

Third spot goes to Dan, W8EQA, bringing Utah to the masses with a score of 4899 points. Nice result, Dan, especially considering that most FISTS are back east and a long way from you.

Special honorable mention to Brian, W8BL, whose 4628 points earned him a fourth place finish, to Josh, AE2L, with 4480 points for fifth place, and to Al, WA0FAX, whose 4324 points earned him sixth place.

Unfortunately, there were only two QRP entries, both of them from the great state of Ohio. K8OUA with 1300 points, and K8UCL/QRP with 376 points carried the banner for the QRPers. Where are the rest of you peanut whistle guys?

I've been acting as the coordinator for the FISTS Sprints since they started and have enjoyed it over the years. But, it's time to hand over the reins to someone else. Tom AC5JH will be looking after them in the future. Thanks to all those who have participated, and a special thanks to those of you who have sent in logs. Hpe CU in future Sprints. 73, Pete K8OUA

Comments: "Just returned home from vacation and missed the first couple hours . . . sure sounded nice hearing that 'CQ FISTS' " K4TXJ; "Worked most of the FISTS that I heard. QRO people . . . don't forget to listen extra hard for us little QRP guys." **K8UCL**; my first entry and I had a great time. My biggest thrill was having Nancy, WZ8C, answer my CQ "Bunchafun! C U next time" W8EQA; "Was on 21058 and 28058 at on 40m." N2ED; 1800 and 1900 . . . what's the matter, no antennas for those bands, or just a case of the Solar "Thought I'd send a log . . . just to show that we're listening . . . Cycle Blues?" AA9KH; over here in Europe. Conditions were very poor . . . but thanks to the two guys who managed to pull me through the noise." G3VQO; "Sri I was such an eager beaver — starting early HI forgot D.S. Time, but found out . . . and waited the hour." WO8E; "My first contest with My new CW filter made the difference this time, and I FISTS. I can only do better!" NOOKS; "Had very bad condx on bands added 18 FISTS to my Century Award log. Thanks! KQ6ES; "Nice little contest . . . called CQ in the at my OTH. Hope to do better next time." WB2EXI; 40 meter novice band for 15 mins. and gave up." WA0FAX; "Enjoyed my first sprint as FISTS member — conditions weren't that $good \dots$ but worked almost every station I heard. Maybe outdoor antennas would help, HI!" WA2VQV; "Great contest — just the right length! "I only had about twenty minutes to operate . . . but . . . here it is." HI HI" KE4ZQD; "Great sprint. I only got to spend 1 hour in contest. Had lots of fun though. Looking forward to Fall Sprint." KF6DCU; "Poor band conditions, 20 and 40 meters only bands open, but still had fun." NEOC; "Had a good time and worked 15 new FISTS members towards my second century award. I finally got a chance to work WZ8C, Nancy . . ." WA2BQI.

SPRING SPRINT SCORES

QSO Pts	<u>Mults</u>	<u>Total</u>
QSO Pts 436 237 213 178 224 188 167 124 183 135 129 138 154 139 124 130 114 112 97 100 110 100 95 87 86 81 72 69 72 52	Mults 35 27 23 26 20 23 22 24 16 21 20 18 15 16 17 15 14 16 15 13 12 12 12 10 8 9	Total 15260 6399 4899 4628 4480 4324 3630 2976* 2928 2835 2580 2484 2310 2224 2108 1950 1596 1568 1552 1500 1430 1300 1140 1131 1032 972 864 690 576 468
72	8	576
52 47 37 31 35 15	9 8 8 7 5 3	468 376 296 217* 175 45 45*
	436 237 213 178 224 188 167 124 183 135 129 138 154 139 124 130 114 112 97 100 110 100 95 87 86 81 72 69 72 52 47 37 31 35 15	436 35 237 27 213 23 178 26 224 20 188 23 167 22 124 24 183 16 135 21 129 20 138 18 154 15 139 16 124 17 130 15 114 14 112 14 97 16 100 15 110 13 100 13 95 12 87 13 86 12 87 13 86 12 87 13 86 12 87 13 86 12 87 13 87 13 88 12 72 12 69 10 72 8 52 9 47 8 37 8 31 7 35 5 15 3

*Not all QSOs included at least one North American station.

Hints For Finding FISTS On The Air by Bud WA2BQI

I usually operate after midnight, as I am working towards the new W.A.S. FISTS award, and I find that this is the best time to find new states and DX FISTS. I now have 36 worked and 36 confirmed by QSLs, through the FISTS QSL BUREAU. I also am working for many other awards and find this is a good way to get what I need, so I check each FISTS card when I get them for counties, prefixes, grid squares, ITU, and CQ zones. FISTS almost QSL 100 percent. As far as ideas on working FISTS members I simply call CQ FISTS on 7.058 and do alot of listening. I always hear a few standbys working this FREQ. and I usually jump in after they

finish there QSO if its a new FISTS for me.

The regulars that I listen to are **W6DDB-**CA, **AC5GP-**TX and **WA4KQ-**IL. This gives me a big area for working new states. I guess you might say its not the SP method, but I call it working the piggy back method.

Hey, you never know, by calling CQ FISTS who you will work. I have worked a DL6, CM2, KP4-two QRP stations, a SSB dx station who switched over to CW and told me I was causing him QRM. I told him he should stay on CW and join FISTS instead of SSB QRM on our CW freq. HI HI.

I've operated CW now for 40 years, and sure hope CQ FISTS dose not sound like CQ DX by my fist.

You might start working contests, if you don't already. After you finish simply check the calls in your log against the lists that Nancy WZ8C sends in the KEYNOTE for members. I've picked up many this way. The best contests to work for this are MARC, QST SS, Field Day, CQ WPX.

I also check every QSO that I have against these call sheets, as you usually don't always give your FISTS NR out during an average QSO.

In the last 5 weeks I have worked 51 new members on 40 meters and have received 22 QSLs by the bureau, run by W8BL (nice job). Who says QSLING is dead? It sure isn't among FIST members.

The sure method of working new members is again simply calling CQ FISTS, and listen. I have worked them on all over the lower part of the 40 meter band. If you're interested in DX FISTS give out a call around 7.027 plus or minus. It is worth 2 points to get a DX FISTS.

The Novice band might be a good place as well because the old timers or elmers like helping the novices with the code, and you might find a few new members hanging around there. I find that for some reason Sunday night at around 0100Z - 0300Z is a great time for finding new ones on or around 7.058 khz. One night I gave out a CQ FISTS call and had six members come back to me at once. I worked all six one at a time, it was great, I thought I was in a DX pile up caused by me. HI HI.

Good luck working new members and hope to meet you on the calling freq for FISTS 73 Bud **WA2BQI**

FINAL

LATE BREAKING NEWS:

World Radio magazine is reinstating their CW Column, which will be written by Yours Truly! The CW column will be printed bimonthly, starting with Sept or Oct. If it is well received, it may go monthly. I am just thrilled about this and find it very encouraging, particularly in light of the apparent bias of CQ magazine. I urge you to support WR. Please take a moment to drop them a note or Email and let them know you are interested in CW and thank them for adding a CW column. Their address is 2120 28th St, Sacramento CA 95818. The Editor's Email is kb6hp@ns.net 73/88/33 Nancy WZ8C #0379

WAS RECORD SHEET

STATE	CALL	NAME	BAND	FISTS NUMBER	DATE
Alabama					
Alaska					
Arizona					
Arkansas		,			
California					
Colorado					
Connecticut					
Delaware					
Florida					
Georgia					
Hawaii					
Idaho					
Illinois					·
Indiana					
lowa				·	
Kansas					
Kentucky					
Louisiana					
Maine					
Maryland (D.C.)					
Massachusetts					
Michigan					
Minnesota					
Mississippi					
Missouri					
Montana					
PAGE 24		FISTS CW C	I LUB NEWSLE	TTER ISSUE 7	1997

Nebraska					
Nevada					
New Hampshire					
New Jersey					
New Mexico		·			
New York					
North Carolina					
North Dakota					
Ohio					
Oklahoma					
Oregon					
Pennsylvania					
Rhode Island					
South Carolina					•
South Dakota					-
Tennessee					
Texas					
Utah					
Vermont					
Virginia		, , , , , , , , , , , , , , , , , , ,			
Washington					
West Virginia					
Wisconsin	,			·	
Wyoming					
Applicant Name_AddressQRP (5 watts or le QRO (over 5 wat	ess)OR	t	hereby apply for the pelow, I certify that wo-way CW QSO's accordance to the rule WAS Award	theses contacts with FISTS me	are legitamate mbers made in
Callsign_ ISSUE 7 1997	FIST	S#S FISTS CW CLUE	Signature B NEWSLETTER		PAGE 25

International Morse Preservation Society







Sec: E. (Geo) Longden, G3ZQS. 119 Cemetery Rd., DARWEN, BB3 2LZ, England. 01254-703948 Packet; G3ZOS@GB7HVU. E-Mail: fist1@compuserve.com or morseman@airtime.co.uk

OFFICES QSL Manager: G0FRL. Bob Lowe PO Box 190. BOLTON. BL1 4UL. U.S. Rep: WZ8C. Ms. Nancy Kott. 5450 Diehl Rd., METAMORA, MI48455 PRO: G4YLB. J.A. Welsh 3 Minster Cresc, DARWEN, BB3 3PY CONTEST MANAGER: GM4BAE

Northbrae, Brookfield Cresc, STRANRAER, DG9 0HY

Sunday QRS 0900 (loc) 3.575 2E0AJS US 0100Z on 14058 Tues: GC0IPX/P 1930 ON 3.558 (+/-) Wed: US Net 0100z on 14058 Thurs: QRS 1900 (loc) on 3575. 2E0AJS DX 14/21/28.058 on the hour for 15mins Pse keep watch all Novice allocations UK Net Controls use GX0IPX/P

Up-dated listings may be obtained from HQ. SAE plus current stamp. Lapel Badges,£1.50 incl. Fabric patches £2.50 incl. QSL Cards £5.00 per 100 or £8.00 per 200 (UK and EU pse add 50p for p/p. DX members - on advice.

GREETINGS

Hi People. Thank you for your patience in regard to the missing 'June' Keynote. The cause of this of course was two weeks spent in the US and my attendance at Dayton.

Dayton itself was great. The weather was superb over the whole weekend and we had over 130 FISTS members signing in or joining. As usual, Nancy and her charming Mum put up a grand display on the booth. I arrived to find a redhead where I expected a blonde but otherwise all was as in previous years and it was a rare occurrence when the booth did not have a crowd of

visitors chewing the fat.

During the weekend, Al Winkler conducted various forums one of which was devoted to the cry for a no-code licence in which Nancy and W5YI ran a head to head and viewpoints were expressed from individual members of the audience. I could have been famous here as the camera was focused on the founder of FISTS but unfortunately I had to exit for about 2 minutes for a breath of air and a drink of water so the only thing the camera saw was an empty chair. T'would have made no difference since the debate was a domestic one and it would not have been right for me to voice any opinion and though it must be admitted that although there was an expectedly large representation of the club present, the forum hall was only one third full and FISTS was a tiny percentage of all those attending Dayton so the small handful of folks who were pushing for a code free ticket could easily have been swollen to a majority if the feeling had been there. The day undoubtedly went to Nancy who spelled out the danger signal by dressing in a fiery red. Hi.

I bumped into G3TUX in the exhibitors lounge but that was the only time I saw him. Dunno where you were exhibiting mate

because I failed to find any reference in the guide...

It may have been a surprise to many but there were a number of booths dedicated to CW including Vibroplex and the odd thing is that these traders with keys, keyers and other CW oriented

goodies were never shy of interested visitors

Charlie ran his usual station with (I think) a little more success than hitherto because of a different antenna arrangement but the 'slinky' still left a lot to be desired. As a contrast, Brian fitted a bug catcher to the rear end of his pickup and at the metel, we ran a TS520 with car batteries, connecting the antenna socket to the whip via a length of coax squeezed under the door There was never a dull moment. Hi. Incidentally, testing this setup from the home location was causing Brian a few headaches until I pointed out that the coax would be better mated with it's receptor on the antenna than lying on the ground. It takes all sorts folks doesn't it?

Vibroplex dug up a prototype iambic which was passed on to Brian W8BL to 'sort out'. Viewing it, there seemed to be something wrong and I think that the first mistake was trying to support both paddles on a single fulcrum which meant distorting the "dash" paddle and having its lever run immediately above that of the dot leaving precious little space for weights. There

is no way that this or any other mechanical iambic is ever going to replace the iambic keyer and paddles which we have come to regard as standard but the concept is of interest and will no doubt continue to be so.

Brian and I left around noon on Sunday and predictably (according to him) the weather turned cold and murky as soon as we hit the Michigan border and we left Ohio still bathed in sunshine. Michigan is at least four and possibly six weeks behind the UK in terms of seasons and the fully clad trees which I left behind were replaced by straggly copies dressed in their underwear. I enjoyed many hours on the Corsair and worked well over 100 members during my stay. The Ford museum was a surprise. A string of past Presidents cars was on display and other Ford oriented paraphanalia as you might expect but there were also ancient railway engines and rolling stock, tramcars, horse-drawn buggies and fire appliances alongside some exceedingly rare amateur and general radio kit. I was transmogrified. Domestic and farming appliances, a complete coopers workshop, gigantic stationery steam engines with platforms for the public... well worth a visit if you ever get to Detroit.

After getting more and more sluggish over the past 12 months and particularly in the last 6 months, curiosity got the better of me and when the Distric Nurse came to take Ivy's BSC I asked her to take mine. It turned out to be in excess of 12.5 and 1 trooped off to see the plumber who confirmed that I was diabetic. I expect to be on some sort of pill after I see him again in a couple of weeks but having mentioned this on the air, I got two consecutive contacts who, in effect, said "welcome to the club". G0VTN and G4MSR are just the first and I would expect that there will be a far greater number than would have been

envisaged.

FLAMES

With apologies to those who do not play on the internet, this is netspeak for a letter attacking someone. Seemingly, an individual WA6VSE, has been distributing flames calling for official investigation into the funds of both the ARRL and FISTS. He seems to think we are some sort of subversive organisations with political agendas and since he never sees a financial report suggest that the IRS (Inland Revenue Service) should take an interest. Hmmm.

AMATEURS DREAM

Received a super e-mail from Ralph, ZL2AOH concerning the Quartz Hill site near Wellington. The document included some photographs of the site but I do not have the expertise to isolate these for reproduction.

TheQUARTZ HILL amateur radio station is on Makara farm, a mixed stock operation on the hills above Makara Beach, west of Wellington. Quartz Hill is designed for amateur radio DX and contest activities plus shortwave listening - on all frequencies from VLF through HF.

Until late 1996, Radio New Zealand operated a receiving station at Quartz Hill, listening in the medium and shortwave bands and providing material to State broadcasters.

Electricity Corporation of New Zealand (ECNZ) is the new owner and plans to eventually build a wind farm on the land. In the meantime, Wellington Amateur Radio Club Inc corporated society encompassing Branch 50 NZART) has negotiated a lease with ECNZ to access the property and use the remaining former RNZ facilities for amateur radio.

Quartz Hill features: 100 acres of antenna farm including longwires, vee beams and rhombic beam antennas.

A purpose-built building that includes 5 operating rooms, 2 sleeping rooms, kitchen and bathroom with shower.

Low levels of manmade RF noise.

An elevated location (300m ASL) with good low-angle takeoff in all directions.

Easy access. Only 30 minutes (max) drive from central Wel-

lington city on sealed roads.

A Quartz Hill User Group has been formed for amateurs or shortwave listeners who are interested in using the facility. Only members of this group may use the station facilities. The one exception is club-sponsored events, when any club member may use the facilities.

THE CLUB KIT PROJECT

Nancy includes the following info in the NA memo: Last month, I announced our Club QRP Project Kit. I was under the impression that the kit was going to be available at Dayton, but I never found out where the representative with the kits was located - or if he was there at all! Many FISTS came by our FISTS booth asking about the kit, so I know the interest is there. The kit, the NW series, is available from Emtech, 3641A Preble St, Bremerton WA 98312. Phone is 360-415-0804. Email is roygregson@aol.com.

It is available in your choice of 80,40,30 or 20 meters. The 80 and 40 meter version include coverage of the Novice bands. Features include: tuning from a 8:1 vernier variable capacitor, variable bandwidth crystal filter, full smooth QSK, internally adjustable sidetone level, full QRP gallon, internally adjustable down to milliwatts, and features a FISTS logo on the front. The painted/silkscreened cabinet is 6.5" x 2.5" H and 5.5" D. The price to FISTS members is \$120, including cabinet, hardware, filter and shipping. Specify which band you would like.

For EU members interested, there will perhaps be additional shipping charges. Suggest you ask first either by e-mail or phone.

NANCY AND THE DEBATE The Debate about "should there be a CW requirement for HF

privileges" against W5YI was a big success for Our Side! Thad many people come up to the booth on Sunday, say that they saw the debate and wanted to join FISTS! W5YI told me the next day, that it was the "biggest blow to his ego that he's ever had" - all day long people were coming up to him and telling him how they disagreed with his anti-code requirement stand I want to give a big Thank You to Peter O'Dell. Peter is a FISTS member and a hypno-therapist. I called him and asked him if there was something he could do for my stage fright. He did a session of some stuff called NLP with me over the phone. It's not hypnosis, but a 'positive thinking' imagery type thing. The results were amazing! I was filled with confidence and didn't hardly even have butterflies! Peter has code tapes using these principles - I can't vouch that they will work as well as the NLP did for my stage fright, of course, but they would be certainly worth looking into. His address is Alternative Arts 261 9th Street South, Naples FL 34102 (800) 425-2552.

MEGS

GM4HYF reminds me that he has been sending computer generated practice Morse in the form of "speedruns" under the GB2CW banner for over a year now at speeds of 15, 18, 20, 25, 27 and 30wpm on a frequency of around 3257KHz from 2045 to approximately 2230 local time each Thursday evening.

Free cassette tapes of practice Morse are available to all FISTS members and they find that they are being asked for the tapes more and more by operators who wish to increase their reading speed and not just to candidates for the 5 and 12 wpm Morse tests.

Many such requests are for speeds of 20wpm and up to, to take advantage of this service, please SAE or adequate return postage in stamps and a blank C90 cassette tape with a note of the speed and type of practice code required (PL & QSO, QSO) contact a pal who lived about half a mile away but nothing

only, PL with or without punctuation symbols, groups of numbers etc.) with the cassette to GM4HYF. Geo. M. Allan. 22 Tynwald Ave, High Burnside, Rutherglen, G73 4RN. George also appends his phone number which I assume is OK for publication as 046-6344567 (should this not be 0141??).

LAST SUNDAY LADDER

GS4LHI	19	38	0	310	348
GW0SGG	18	36	1	281	318
G0MGD	22	44	7	166	217
G0TBD	8	16	0	201	217
G4OOS	10	20	0	180	200
G4PTE	11	22	2	127	151
G0MRH	6	12	1	137	150
G0FVS	7	14	0	104	118
G4RBE	3	6	0	64	70
GW0PXQ	11	22	0	47	69
G0VBH	6	12	0	12	52
G0WAS	9	18	3	10	31
GI4CBG	7	14		14	28
G0VCY	1	2	0	24	26
G0PEH	2	4	3	10	17
G0IFX	8	16	0	0	16
G0ATR	4	8			8
As of 8/6/9	97				

Again, at the top of the rankings 4LHI has produced quite a margin over Bill, GW0SGG but as has oft been pointed out, things can change pdq with a table of this nature.

LETTER FROM SWL

As an eleven year old boy John (GSWL3) was fascinated by Morse and Radio in general. He strikes a chord with yours truly who also "dabbled" at the same age.

"I was very interested in the Morse Code due to a neighbour; an old lad called Billy Reid. Billy had been through WWI and when he was demobbed he got a job with the Post Office as a Telegraphist. In those days, Wireless was just geiting into it's stride and Billy loved tinkering with bits and pieces of radio equipment and he taught me to build a "straight three", a battery set with a 120v hattery, grid bias and a 2v accumulator. With a speaker and 75' aerial, I was able to pick up Athlone in the South loud and clear whilst a neighbour with a 6 valve superhet could not receive it as well as I did. She wondered how I could get such a good reception from a bundle of bits which could be picked up very cheaply in Belfast's Smithfield some 25 miles away.

I learned the code and on the old set which I built with Billys help could hear a neighbour tuning in next door. I would get a series of oscillations and that gave me an idea. I had made a Morse key of sorts and connected a wander plug from one side of the key and tuned in to Athlone. When the reactance was too great, my set broke into oscillation so I tuned past Athlone to cut out the sound and hey presto! I had a ready made oscillator. I connected the positive of the HT battery to the receiver via my wandering lead and keyed out 'CQ CQ CQ de Johnny Murray. Are you receiving me'. Not the way to do it of course but I was having fun and in the middle of my keying came a knock on the front door. When I opened it, there was old Bill with his glasses perched on his brow. "Are you mucking about with Morse Code?" he asked and I was delighted to tell him of my great idea. "You will have the Post Office sending someone to investigate" he said and I was astonished to say the least. How on Earth did you know I was "Morsing?" I asked. He said he had picked me up on his receiver which I could not believe so he told me to go along to his house (three doors away) and listen to his set whilst he sent a short message. Bill Was a 30wpm man and I would not be able to read his transmission but he said "I will send slowly 'What sort of sweets does your best Girl prefer' and when you know the message you will be able to follow it". I couldn't get down to his house quickly enough and for a minute or two nothing happened and then, loud and clear, the Dits and Dahs came. I was over the Moon. Billy again warned me that I was breaking the law though I did try to

could be heard.

I managed to get another school chum interested in learning the code and he and I together with one or two other chums, went along one night to a spot called The Bankheads. It was a large grassy place sloping down to the shore and I gave my chum a copy of the code and a torch. I sent him to a spot about 50 yards away after explaining that I would flash a message to him and he was to acknowledge each letter by waving his torch. It took about half an hour to complete the message in this manner. My chum when he left school got a job on a boat sailing between Larne and Preston and in years to come I was to meet him as Captain on Ocean Liners. Knowing the Code was part of the test to acquire his Masters Ticket,"

John's story rings many bells with me though he does not appear to have succeeded in depriving his neighbours of power as I did when, whilst tinkering with the local DC supply, I blew a common mains fuse that protected our own house and three

others. Hi.

John. The database is constructed around callsigns and in the absence of such, SWL is used instead. GSWL for UK, DSWL for Germany etc. We append a number (GSWL3) to make that field unique.

NEW MEMBERS

2859	HB9ZE Frank	2860	G4UCJ	Sean
2861	GW4SDO Dave	2862	G0AZH	Jerry
2863	G4YZO John	2864	G6QA	Lynda
2865	G3JMZ Jack	2866	GSWL3	John
2867	G7MGV Bob	2868	GOUIW	Tony
2869	G3AQF Harry	2870	M0AKN	Gordon

ORS NET

The Tuesday evening run presided over by Bill, GW0SGG, is firmly established. There is a regular turn out of a group of stalwarts and often enough some odd visitor or two surfaces. Recent visitors drew attention to contests and felt it improper that the Club Officials were excluded. This is not so Bill, all officers and committee members are free to take part in any club activity. I think you are being mislead by my own reluctance to partake actively in the Last Sunday, Straight Key Week etc. but this is because I cannot guarantee to sustain activity and apart from that, I feel I would have an unfair advantage being HQ station. I am happy to dish out points of course but I am so busy with general FISTS business that I could not be sure of maintaining such activity.

LEICESTER CLUB

Dear FIST members,

LRS is one of the oldest radio societies in the UK (formed 1913) and now requires a move to newer premises with better facilities for training and operating - ready for the next millennium.

We have negotiated a series of discounts with hotel groups and car rental companies within the UK. Anyone who needs to hire a car or book hotel rooms within the UK could benefit from our card and make savings - up to 35% on car hire.

Companies currently with us include Avis Rent A Car Ltd, Hertz (U.K.) Ltd, EuroDollar Rent A Car, Stakis Hotels, Wayfarer Inns and Jarvis Hotels.

Together, these excellent companies offer a superb range of accommodation and vehicle hire possibilities.

It is not necessary to be a licensed Radio Amateur in order to obtain a card - it is available to anyone, anywhere around the world, or within the UK. Some Car rental companies are also offering discounted rates within the USA and Europe.

Every card sold increases funds available for new premises,

equipment and training.

As the cards are taken up we expect that other companies will offer discounts, broadening the range and type of savings that can be made - these will be updated onto our new web site. Anyone / any company wishing to offer further discounts are welcomed.

The discount card has been priced at £10 (Sterling) and can be obtained using a Mastercard, Eurocard or Visa credit card (Cheques are too expensive

to handle unless they are Sterling cheques or drawn on UK cheque accounts).

We intend that this modest outlay is recovered very rapidly as bookings, and consequent savings, are made.

Our new website is well under way and contains details about

LRS, its members and what we are hoping to achieve. An order form for the Discount Card is included and can be printed off, completed and posted to us here in the UK. Sub-

scribers should allow 28 days for delivery. Check out - http://www.foobar.co.uk/dialin/silver/lrs

We are NOT a commercial company - we are a reputable Amateur Radio Society with ideas for the future. LRS seeks to further Amateur Radio in general and all monies raised will be used to this end.

John Alexander

Please direct any enquiries to me, John Alexander, via snailmail, fax or E-mail at the above numbers / addresses.

Anyone requiring hardcopy text on LRS Letterheads can be supplied with these via standard mail or fax upon request. With regards

John Alexander / G7GCK LLB Hons, BSc Hons Leicester Radio Society

Morsum Magnificat

Samuel F.B. Morse

1791-1872

For news of what's happening in the world of Morse, read "MM"!
This unique bi-monthly magazine carries a wide range of articles on

all aspects of Morse; past, present and future. If you like Morse, you'll like MM

By postal subscription only. Send for a sample copy £2.50 (US \$5.00 bill) or ask for further details from

G.C. Arnold Partners, 9 Wetherby Close, Broadstone, Dorset BH18 8JB, England

EDGWARE SK EVNG

This annual event has always been well supported by FISTS members so we are looking ahead a little to Friday, 19 Sept from 1900z. The QRG is in the vicinity of 3560 and as usual, they attempt to mount special stations. Look out for GB2SKE, G3ASR and possibly G4UIZ/P so get the dust of the straight keys of yours and join the fun.

SHADOWS OF TITANIC

GWOLTU sends a photo copy of an article from the Western

"When Arthur Moore told his father he had picked up the SOS distress signal from the doomed Titanic he was reprimanded

Moore senior dismissed his son's claim and realised he had again spent all night fiddling with his multifarious radio equipment.

For years he had implored his son to be fresh and alert for the early morning starts at their family run watermill at Geligroes near Blackwood. And why should he have believed his son's outrageous statement? After all, the Titanic which was in the middle of its maiden voyage across the Atlantic was considered unsinkable.

As the day progressed, word of Arthur's outlandish story spread around the village and the young Mr Moore, then in his early 20's was probably the butt of a few jokes.

But two days later, after the Titanic sank in mid-Atlantic in April 1912 with the loss of 1,523 lives, the news of the tragedy was officially cabled to London from New York. Arthur Moore's claim that he had received the SOS signal more than 1,000 miles away on his wireless equipment installed in the mill had been vindicated.

His exploits reached the press and soon he was taken on

board by a suitably impressed Guglielmo Marconi at his Marconi Wireless Telegraph Company.

An impressive model of the Titanic has been received by the leaders of Caerphilly County Borough Council when Howard Moore was present. Howard, nephew of Arthur who died in $1949\,declared\,that\,the\,family\,was\,extremely\,proud\,of\,his\,Uncle's$ achievements saying that he was at the forefront of wireless telegraphy at that time. GW0LTH tells me that the mill is home to the Blackwood ARC with the special callsign GB2GGM (Gelli Groes Mill) which was last on the air 11 May.

PACTOR QRM

G3KEF (Tom) reports on the interference being suffered on 14058. My earlier information placed the offending station in the Azores but monitoring this traffic, Tom finds KD1RA (a mailbox frequently accessed by CU3BJ) comprising long lists of gear for sale including prices. KDIRA also forwards to other mailboxes in the US and blatently ignores cw already in progress. 14057.85 finds VE3HKK and K1LMJ also being logged several times in live QSO with CN8CG. Also lots of call-ins from various stations including N1URA and K1LMJ whilst CN8CG frequently calls in and leaves traffic with K1LMJ. Tom surmises that the main root of the problem is US stations and if these could be shifted, then the problem would probably end. Wonder if the US contingent could do something about this via the ARRL?

The Insect Filter A variable bandwidth filter with a very narrow bandpass. Ideal for weak signals and poor band conditions. SHE for further details and special FISTS prices to: The Haven, Lound Rd., S. Dodson. BLUNDESTON, NR32 5AT G3PPD Tel: 0502 732322

THE STRAWBERRY BASKET

GOSTR. Hi Bill. You will find more details of the kit in question within this months letter. Bill is off to Gran Canari (EA8) and the holiday chalet will be home to his QRP rig mainly on 40 and 20 metres. GOUKX Last years heart attack with bypass and Teflon patch on his ticker (does this make it a non-stick heart?) curtailed his operating for a while but he is now back on air and to avoid undue strain, will be working strictly rubber stamp style. ZL2AOH. Our prolific Ralph has completed his application for the Keymens Club of Japan award. Matching stations with prefectures was no small undertaking and aside from DXCC mixed and CW it is the only award he has tried for. Would like to include the Century amongst his targets but K7WF has thus far been his only FISTS contact. He estimates 350 years at this rate. Oooooh. GW4GCB. Peter has been 100% cw for the past 12 months mainly with his pal G4GBG and he plans a make over job on his antenna this year. Also has an eye on home brewing but her he talks of beer and not necessarily radio. Nowt wrong with that Peter. A most noble ambition! G0JZU. Ross was happy to work GB0ARM which provided him with more satisfaction than the 'Windmills on the air' event which appeared to be conducted exclusively in SSB. And, less than half a mile away, one of the latter was operating from a disused windmill. Grrr. G4BWJ. Harmonic was not invited to extend his 12 year commitment with the RAF and was only a small cog in the 10,000 comprising the tradesmans wheel. After the Minister responsible for the mass shedding lost his job, harmonic noted 'it couldn't happen to a nicer guy'. Has he removed tongue from cheek yet? EA3FWE. Jordi is henceforth recognised as EA3WC. A shorter title of course and I resist the temptation to offer a comment which may not be understood. Hi. GOILN. Hi Richard. The stuff you hear on 14080 (actually nearer 14079 though it is wide band) is not RTTY but a pactor, mail box. As far as we and most other countries in the world are 73/88 people.. stay sober de Geo

concerned, it lies outside the spectrum set aside by the bandplan but seemingly the Azores is a law unto itself. GOVQA. Julian has an interesting ob here since last year he was operating 80m on a G5RV/2 via a 'T' match ATU. Not as good he confesses as his current 80m quarter wave long wire via a home brewed 'Z' match and he is also contemplating tests with a home brewed mag loop. GOTBD. Terry is now also active /M and would welcome QSOs with fellow members. QRV between 3.550 and 3.563MHz but hastens to add that he has not yet perfected the dangerous art of sending and driving at the same time. From out of Houston, Brian and I logged a member doing just this with 16 wheels and I logged a returning FOC member who was doing it on the back roads having become bored with the challenge offered by the freeways..

G3TUX

The QRP Component Company

Stockists of Keys (Bencher, Jones & Kent) Used keys of all types bought and sold

Shop now open. Export a pleasure!

7 Kings Rd, HASLEMERE, GU27 2RF Phone: 01428-641771 Fax: 01428-661794

NOVICE ACTIVITY

I have had a suggestion that a limited version of the Century award (50 points) be made available for our Novice members bearing in mind a restricted frequency span and QRP. Actually, this would not be necessary if more of you were to scan the Novice bands periodically. I usually take a quick shufti up there myself when on 80m and put out the occasional CQ but find myself at the mercy of conditions. When the band is 'long skip', any Novice stations have to be local but this is still an excellent way of spreading the Gospel. 3770+ seems to be used also by a number of late G0 stations though it is often frustrating to find high speed cw activity mainly from Germany but also from other EU countries presumably running QRO.

ODDS N' ENDS

Found G3TTH and learned that the Leicester Club NFD station boasted no less than four FISTS members.

GW0SSG asked me for a listing on disc before I left for Dayton. This I did (on the very day before I left) but they never arrived at their destination. I suspect this is a rare event but something has gone sadly wrong because whenever such packages are sent through the post, they carry a sticker complete with return address warning that the package contains sensitive magnetic media.

If any members heard me at around 2100 on 80m on the 18th July, I apologise for my seeming lack of good manners. My patience is no more nor less stable than most people but struggling to copy a QRP signal who was barely above the noise, I was constantly harangued by a E. European station who called me consistently over the top of the QRP station despite the KN which should have told him that I was listening for a reply from the nominated station. I called him a lid and made it plain that I would not QSO him or any other station displaying such poor operating techniques. I was somewhat ashamed of myself afterwards for allowing myself to crack but there is surely a limit to any-ones patience.

Tammy's sensitive hooter came into good use when he was clearly fascinated by something in the clover speckled grass. It turned out to be a soft plastic purse cum wallet and I thought Wow... this is the day. I retrieved it, opened it up and surveyed the contents - just the remains of a blob of chewing gum, a large gap where a seam should have been and some six inches away, a lonely one pence coin. I pocketed the coin without a twinge of conscience but I still dream of the 10% cut when I find £10,000 in a paper bag. Like my visions of a one metre square steerable beam with 60db gain in the chosen direction however, the smoke has not yet settled. Hi.

FISTS CW CLUB

Membership Roster 7/2/97

The following list is in two sections one as NORTH AMERICA and the other as UK-EUROPE-ASIA

Edward C. Hayes, N7CFA 2628 Lilac St. Longview WA 98632 n7cfa@tdn.com

NORTH AMERICA CARIBBEAN AREAS **CENTRAL & SOUTH AMERICA**

MEXICO, HAWAII KF5 A **JAMES** 1919 WR4 A HERB 3078 NCO A CHUCK 3365 K7 AA 2093 RAY KK7 AA MELISSA 2181 AA NORM K13236 KA5 AAE JIM 3257 K9 AAU BOB 2747 **KB**8 AAX TONY 3289 KG9 AB STEPHEN 2617 XE1 ABE HUGO 3448 **N**8 ABR FRED 1470 AH8 AC JOHN 1259 AB2 AC CAROL 2081 **K**7 ACK FRANCES 3097 K2 ACW GRANT 2573 KD7 ADK **GEORGE** 3017 N2 ADP JOE 3118 AE KN6 3128 SMOKEY AEJ 3202 W6 BOB AEV DWIGHT 3105 WD4 KE1 AF ABEL 2954 W8 AFI ED 2991 N5 AFV ALLEN 2168 K1 AG BILL 2728 AD6 AG MIKE 3242 KE4 AGT JIM 1581 WA2 AHH PHIL 1988 K4 AHM LEARD 1550 KC8 AHR ALEX 2983 AE4 AI DANNY 2444 2532 K9 **AI** VIRGIL N7 ΑJ 2786 DON K8 AJD 2544 KEN KF8 AK MICK 3060 KA7 AKK BETH 2084 KC4 AKQ OSCAR 2015 3066 VE7 AT.T. CLINTON W9 ALM 2163 BILL AB0 AM PHIL 2364 AC5 AM BOB 2516 VE6 AML HAL 1930 KA8 AMX TRISH 1453 K8 AN RALPH 1484 ANF 2908 WA5 DAN 2755 VE3 ANI ALFIE K5 AO 2138 PAT N3 AO 2367 CARTER WO AP MAC 1908 KI8 AP GREG 2985 K5 APB JOHN 2107 3126 WB8 APR JOHN 2548 KP4 AQC, PEDRO кв7 AQD ROBERT 3478

KC8 AQJ

BARB

KB3 AQL LEE 3235 **W**6 AR DEWEY 3436 K1 ARO RICHARD 1580 WB2 ART 3456 KEN K3 AS 2164 BILL AC4 AS JIM 3321 W9 ATE **JACK** 2523 KC2 AUH HARRY 3085 WB8 AUJ **JOHN** 3300 KB4 AUK GARY 2779 KB1 AUM SHEILA 1599 KF4 AUM JOHN 3088 WB0 AUQ BOB 1905 WA9 AUW BILL 2066 AA3 AV **EUGENE** 1220 KU4 ΑV DICK 2731 KM5 AV SCOTT 3042 VE7 AVC VIC 1742 **AVS** KB3 CHARLES 2480 K4 AVX JOHN 2307 AA3 AW DANNY 2482 KU4 AW BEN 2674 W0 AW GARY 3310 KP4 AWI ERNIE 3302 KB3 AWR FORREST 3425 K5 AX TOM 2996 KG9 ΑX RON 3296 WD4 AXJ MARTY 2668 KI0 AY CHUCK 2414 N8 AYO JIM 1230 AE4 AZ RAY 1561 KC8 AZZ PETER 3314 NC2 B MARTY 1028 WBO B LARRY 2916 KX8 B CHUCK 2987 KR1 В BOB 3442 BAA KC8 JIM 2938 DINK WA0 BAG 2960 BAI 2158 K4 JOHN KC8 BAP ROB 2931 KE6 BAZ BUD 2998 KE1 BB FRED 1536 BBI KB1 LOUISE 1985 VE1 BBW DAVE 2919 AB2 BC 2526 JIM W2 **BCH** JIM 2487 K2 BCL GAIL 2438 BE K2 CARL 2581 AB0 BF JON 2474 **KB**3 BFQ ERIC 1786 BFT W1 CARL 1431 AC5 BG 2598 BILL W4 **BGG** GATOR 3298 KF4 BHR JOHN 1991 N5 BI GARY 2029 KG2 BI WARREN 2671 BIC 2059 KB1 RICHARD WA8 BIJ VINCE 0905 AA9 BJ TOM 2601 W2 BJ BARRY (DA2BM 2701 BKC TREVOR (VE3BMC 3033 VE7 W8 BL BRIAN 1221 BOB N4 BM 2587 K6 RM STEVE 2973 **BMC** VE3 TREVOR (VE7BKC 3033 BMI BOB VE3 CKX W73144 KB3 BMT **JAMES** 3185 K1 CL

KC8 BOJ ED KB2 BOY STANLEY AB2 BP CLARENCE KA1 **BPH** RICH WA2 BQI BUD KC8 BQN JAKE KM4 BR RON W9 BRD RODNEY KJ7 BS MARK KC8 BSC AI. WD8 BSG DON K8 BTH WAYNE N3 BTM JOHN KC5 BUB CHARLENE N4 BV BOB W2 BVK EĐ KC8 BVS HAROLD N2 BW BARRY BWG N9 DON **W**7 BWI LOREN KB2 RWO **AARON** KS4 BX ROGER KB1 BXE MARTIN KC8 BXK STEVE WB2 BXO FRANK BYH WD6 ROBERT W9 BYH BILL N7 BYP PETE KA9 BZM BILL WZ8 С NANCY WR9 С RON WB8 C RAY WJ0 C JIM WN3 C MAC NEO C KEN WC6 С CHUCK NN6 C MIKE NL7 C JIM WB4 CAW NATE K6 CB CHRIS каз свс ERNEST W9 CBT DICK w9 CC LARRY WB1 CCG DONNA WL7 CDC DOUG KD4 CDI SAM N7 CFA ED WB0 CFF CARL VE3 CFL CHARLES W1CFZ RUSS N2 CG **GEORGE** W3 CG NORMA KC8 CHR ROY CI K7 JOE CIB М9 RAY K1 CIK KARL WB9 CIS JOHN K3 CJQ TED VA2 GARY CK W8 CK CRAIG KA8 CKL MEL кз ско BOB WD6 CKT GARY W1 CKV FRED WL7 CKX PATRICK

DOUG

CARL

W3 CL

WP4 CLS

CHUCK

MILLIE

3477

2541

1

KC9 DJ

NO

DJD

HERB

SID

1745

2435

3391 TI5 CMA 2556 CARMELINA 1598 K4 **CMH** JIM 3094 3008 W7CNL **JACK** 2631 3169 K0 CNS RICK 3370 2009 CO 3119 N1BILL 2663 N3 COR DON 3221 1593 И8 CPA STEVE 2904 1782 WB3 CPG BRUCE 2340 2972 CPP N7 BRUCE 2075 2069 K4 CQ EVERETT 2942 2737 N8 2609 CQA BUCK 1465 KM5 CS WATT 2559 1574 2579 VA2 CS CORAL 1749 WA3 CSF JOE 1271 2640 WL7 CSJ CHUCK 3214 2495 KE 6 CSL TOM 2637 2091 KF6 CTA DICK 2643 2591 KE 6 CTI MATT 3371 1015 VE7 CTW KEN 3138 2475 W5 CTZHARRY 3239 3145 KC8 CUD STEVE 2986 1403 N1CUR TED 3168 2443 W3CV SCOTT 1502 2917 K8 CVC BOB 3324 2314 KA8 CVH JOE 2979 3170 ZP6 CW DOUGLAS 1771 3394 W3 CW BOB 2491 3410 WA6 CW ROB 3293 2409 K5 CWR FRED 2570 0379 N6 CX GLEN 3263 2711 И8 CX ALAN 3301 2739 W8 CYG JOE 1471 2910 CZKT8 TOM 2360 2932 N3 CZB 2392 LOU WA4 CZK 2783 3014 GARLAND 2430 3360 K0 CZU DWIGHT 3443 NU7 D RANDY 1796 3452 WB2 PETER 2071 AF7 2690 2664 D BILL 3471 KC4 D 2709 BILL 3230 WN7 D DON 2759 3417 KC8 D DENNY 3132 KK6 D 1714 DOUG 3187 WW8 2310 n TOM 3264 VE3 DA 2437 AL2757 2994 KG8 DA/ XE1 GEORGE 1473 1402 W8 DAN DAN 3421 3465 KA7 DBR MIKE 1972 3248 K3 DC BILL 1902 0294 N5 DCF VIC 2641 1006 KF6 DCU DAVE 2398 2034 W6 DDB BILL 1525 3047 KD4 DDIPAUL 1512 1738 W8 DEA DON 3470 1922 W7 DER ART 2023 3422 W9 DEW DON 1406 2959 0531 DF KTI4 KERRY 2177 K6 DF DENNIS 3076 2578 **N**3 DF NEIL 3328 3367 N2 DFT GEORGE 2741 1983 1768 K7 DFW ROLYNN 2483 2971 AA1 DG ROGER 2484 KC1 DAVE 1210 DT 2745 N8 DIX STEVE 1710 2050 K9 DIY MILL 2798 2900 NP2 DJ DEBBIE 1489 2077 KP4 DJ WILLIAM 1576

1539

1503

W4

KJ5 BN

2376

BMW

BOB

GORDON

FISTS	S CW CL	UB			Memb	ership I	Roster	7/2/97					
WB7 DJR	CARL	2004	KE1	ЕJ	GLENN	2784	KK5 FO	WAYNE	2447	W6	GSE	ED	3107
N5 DJY	LON	2320	KM5	ЕJ	JD	3393	KM4 FO	DWIGHT	3316	KN2	GSJ	GEORGE	1538
N6 DK	DICK	3395	WD4	EKB	DAVE	3000	W4 FOK	JIM	3272	K7	GT	GRANT	3222
NO DKE	PETE	2037	WA1	EKR	FRED	2743	K4 FOM	ARMON	2010	KD4	GTM	KAREN	2407
КЕ6 DКН	WILLIE	2720	KI5	EL	FRED	1229	AA8 FQ	FRED	1495	W1	GU	MICHELLE	3438
K5 DL	JOHN	2768	KT4	$\mathbf{E}\mathbf{L}$	WALT	3165	K7 FQ	MIKE	2794	K1	GUG	DICK	2965
VE3 DLH	JERRY	3292	N2	ELW	LARRY	1469	VE3 FS	BILL	1240	KF6	GUH	BECKY	2961
NO \mathbf{DLJ}	DAVID	1419	AA0	EM	JOHN	2094	N3 FSC	GREG	2044	W0	GV	GERRY	1931
K5 DMC	JERRY	2571	W6	EMD	DAVE	2095	WB4 FSF	BONNIE	2975	VE7	GVC	CAVE	3238
WD9 DMM		1412	W6	EMT	ROY	3249	W6 FU	KEN	2193	K2	GVC	WILLIAM	3243
WB5 DMM	NEIL	1942	K8		KEN	0927	KF9 FU	CARL	2362	1	GVG	TOY	3026
KF4 DNL	AL	2577	AD4		GEORGE	1754	KP4 FU	VIRGIE	2540	NO	GVY	\mathtt{BILL}	2676
N1 DNM	GEORGE	1445	KF9		ERIK	3217	WO FU	TIM	2574	KB9		BOB	3290
W8 DO	DAVE	2512		EPA	AL	3101	WB2 FVE		1510	KC5		LAWRENCE	
K2 DO	DIANE	3330		EPD	SAM	2521	WA2 FVL		1585	VE3		DUNCAN	3092
K7 DOE	PHIL	3277	AB5		MEL	2492	K4 FW	AL	1926	1	GXZ	FRITZ	3054
	PAUL	3457		EQA	DAN	2469	NP4 FW	HECTOR	2531	1	GYU	GUY	2649
W3 DP KF4 DPS	DICK	3464	I	ERA	OLIVE	0743	KC7 FWZ N2 FX		3204		GYX	DOC	2070
KF4 DPS WB8 DPZ	JIM	3447 2323		ERB	WAYNE	3109	i e	BEN	1011	KF9		MARK	2400
K5 DQ	MARV PEGGY	1921	KQ6	ERU	WES JOHN	2099 2 4 06	WB2 FXK		0918 1248	W0 KA0		GENE ROB	3052 2336
WA4 DQU	KENT	2449		ESX	JOHN	1565	KA4 FZI		1767	WK1		ARNIE	1027
KB8 DRQ	DAVE	2477	WD4		JEFF	2769	KAO FZW		2604	AF9		PATTI	1785
WD9 DSP	SHARON	2772		ETN	AUSTIN	2072	NS2 G	HELEN	0393	NN2		KAY	2424
WD4 DSS	FRANK	1994	1	EV	PAUL	1407	WI2 G	ANNE	3143	NS2		DICK	2508
KM5 DT	BEN	2128	AE4		TERRY	2653	WW2 G	WENDALL	3177	WI3		MARK	2614
KO6 DT	BILL	2421	ко6		BARNABY	2707	N6 GA	CAM	1920	KB4		GENE	3423
AC4 DT	NEAL	2993	WB2		JOHN	2760	N8 GA	GARY	2385		HAM	JERRY	3402
AA3 DU	MICHAEL	1400	WB1		CARL	2629	N2 GA	GEORGE	3313	KF4		DAVID	2726
N3 DU	TIM	3368		EYM	BILL	0655	WA1 GAG		3278	KE4		PAUL	1923
KB7 DUG	KEN	2672	K8	EZ	RANDY	1718	K5 GAT	KEN	3069	WB1	HBE	JOHN	2061
KC5 DUI	BOB	1534	WB2	EZG	VINCE	0315	W7 GB	DON	2108	N3	HBJ	GEORGE	2780
W3 DV	WOODWARDVILLE		WAO	F	MARK	1736	KE4 GBE	MIKE	1911	WB8	HBJ	ROGER	2947
	AMATEUR R.C		WY6		PETE	2017	KC8 GBM	MIKE	3311	WDO	HBW	DICK	4 3380
WB8 DWD	JIM	3459	WT7		TERRY	2542	К9 GC	GREG	1578	MDO	HCO	BIZ	1929
VE7 DWG	DAVE	3197	AD4		BILL	2012	W1 GCA		2610	•	HCU	MIKE	1735
WA8 DXB	JIM	2160	I	FA	FRANK	2036	KA7 GCB		1956	K2		ED	2790
W4 DXB W3 DXK	REED HARRY	2746 2710		FAF	JOHN	2590	KC8 GCD		3146	KB2		RAY	2901
WN4 DXL	LARRY	3345		FAL	FRED	2337	KF6 GCZ		3463	KB7		PAUL	3191
KC4 DY	GORDON	1588		FAX	ALAN	2192	N4 GD	GERALD	1019	KG9		JOHN	2501
KE1 DY	SAM	2689	W2	FBE	HOWARD	1024 3279	KK7 GE VE4 GEC	ERIN	3218 3158	WB2		BART	3348
AA8 DY	BILLY	2763	•	FBY	ROYCE TED	2479	W4 GEK		3351		HFF HFJ	BILL PAT	1239 3434
W8 DYF	JOE	2024		FCC	DON	3440	N4 GEL		2417	KG2		RICK	2718
XE1 DYO	JOSE	2410		FCO	ED	3190	AC5 GG	LEE	2509	N8		HANK	3016
K6 DZY	WB	2515	K7		JOHN	2420	W6 GG	BOB	2766		ннв	TOM	3441
W08 E	IRENE	0656		FDA	GENE	3048	KB0 GGQ		3385	KC8		BEN	3390
NS3 E	ED	0909		FDV	JIM	1959	N4 GHI		2448	KE4		BRIAN	1795
WTU9 E	PHIL	1449		FDX	DONALD	3403	KA2 GHO		3195		HIJ	BILL	3178
KJ8 E	ERNIE	3074		FEP	JON	2127	KF9 GI	BROCK	2451	AA1		DAVE	1569
AA5 EA	WALLY	1969	И8		KEN	1225	N8 GI	LARRY	2630	w3	HK	GEORGE	1420
WAO EAF	GARY	3021	N3	FGT	DENNIS	2703	KA2 GJV	BRUCE	1017	P43	HK	HUBERT	2989
	EVERETT	3120		FGV	JIGGS	1286	KF6 GKR		3104	AC5		GUY	2333
N4 EC	ED	3435	KG2		KENNY	2352	KB9 GKX			N6		HARVEY	2912
KC8 ECG	HELENE	2990		FHK	AL	2956	KL7 GN	GORDON	2144	K4		LES	3081
KC8 ECI WN7 ECL	LUNA	2984		FHP	BOB	2943	KT4 GN	CHUCK	2558		HLG	\mathtt{BILL}	3374
N2 ED	TOM ED	327 4 2 4 54	AC5		ED	1499	W7 GO	TONY	3354		HLM	MIKE	1480
K2 EF	FRANK	2583		FIH	BILL	2001	VE2 GOO		0864	KC5		BOB	3474
K7 EF	GEORGE	3189		FJZ	GENE	2388	NP2 GP	GREG	1292		HLR	JOE	1962
AA3 EG	LEN	2401	KB1		AL	0916	W4 GP	MARK	2941	WB5		DOUG	2100
N3 BG	EARL	2565		FKX	BOB	2646	KC4 GPJ		2652		HNS	HENRY	3010
KIO EG	PETER	2735	KE3	FLN	PHIL GEORGE	3117 2 04 9	AL7 GQ	GENO STAN	1984	AA1		ARTHUR	1283
KA8 EGS	RICK	2715	1	FLY	BILL	3032	NO GQR KB9 GQX		2467 2538	AA3	HOG	ARNOLD	2661 2 43 6
AC5 EH	DWAIN	3129	KI0		GENE	2349	AC6 GR	JAY	2097		HOG		3142
KQ6 EH	PAUL	3429		FMC	RICK	2767	W6 GRF		1783	I .	HOK		3237
K8 EHE	TERRY	3152	AC4		DAVE	1021	N8 GRM		2688	KE4		RAY	2028
KF9 EI	WOODY	3040		FN	BOB	2455	K8 GRN		3336	KI0		ED	3427
N7 EIF	GENE	3280		FO	CHUCK	1716	W7 GS	GLENN	2976			FISTS CW	

See	F	STS	S CW CLU	UB			Membe	ership I	Roste	er 7	1/2/97					
Ki H. S			OF MICHIGAN		W7	JAT	VERN	1002	KA2	KDJ	GARY	1792	AB7 L	K (GARY	1596
No. 1850 AFT 1269 AFS 3BB MIKE 2404 AFS AFS AFS CROSS 1734 AFS CRUCK 2358 AFS AFS CRUCK 2358 AFS AFS CRUCK 2358 AFS AFS CRUCK 2358 AFS	KB5	HRS	PETE	1206	KB2	JAX	LYLE				CHER	1511	VA3 L	K 1	LARRY	2752
Mart			PHIL		1		JIM		VA3	KEW			W5 L	KL I	3.W.	2335
No					ı				1				1			
No					i											
March Marc					1				I				1			
MA HU																
A.A. H.V. ZOEL									1				1			
Keg MV JULIUS									1				1			
Red HW JULIUS 1426 MS JEF MAC 3411 VEG RJL RENN 1467 WF LWY JULIO 2396 MS RW HW GERRY 307 WAO JEF MENN BON 3099 MS RJU RENN 3229 MCC DE ROLLAND 2990 MS RW HW HW GERRY 3207 MS AND SEPTER 2339 MC JEF MARKE 2007 MS BW KE RW HW JEF MARKE 2007 MS BW JEF MARKE 2007 MS B									1							
KAH MEM GEORGE 20.00 WG JEP MARIE 20.07 KGP KK RAY 3164 KSB JOD FANKETS 20.02 MAH RETOR 22.73 KCS JFO RAND 26.79 WG KN KEVIN 30.09 WZ LOZ LOZ ABL	KK4	HW	JULIUS						1				1			
## ABZ MILLARD 273 KCS JEV	VE7	HWR		3207	WA0	JEN	RON	3009	N9	KJU	KEN	3329	KG2 L	O F	ROLAND	2980
WH MAP WILLARD 2673 KCS JFO NAND 2679 W6 KN KEVIN 3069 W2 LOZ HARKY 2315 KCF HERD DAVE 2612 AB4 GR MIKE 2332 AA6 KN MARY 3163 W7 LOF 2429 A248 LOZ CR CR CR CR CR CR CR C									1				9			
KF4 BZB HZB DAVE 2612 BZB GZ MZ RBS LOW SRB JULY SALES 2423 AZB LOW SRB LOW SALES 2423 AZB LOW SALES 2424 AZB LOW SALES 2425 AZB LOW SALES 2426 AZB LOW SALES													1			
REQ REO RED					1								1			
ABS I KEN 1913																
KSA I ALEX S569 KS4 JI GARY 174 KD5 KD JIM 3220 K8 LØW VINCE 2042					1				ł							
MARCI					1											
AB7 IA ROBERT 2539 NS JIW DON 1515 WA4 KQL GARY 2534 AB9 LS JIM 2198 KC5 IA DOC 3244 NS JIY MIKE 1282 KG0 KR ELIZABETH 2514 KK5 IB DARRYL 2416 WA4 JJH WYATT 1018 AB3 KR BRUCE 3308 KC7 LSO RICH 1990 KK5 IB DARRYL 2416 WA4 JJH WYATT 1018 AB3 KR BRUCE 3308 KC7 LSO RICH 1990 KK5 IB DARRYL 2416 WB3 JJK TOM 3127 W5 KRP LEO 3080 KB SLZ LEE 2428 KB IDN STEVE 2441 WB3 JJK TOM 3127 W5 KRP LEO 3080 KB SLZ LEE 2428 KB IDN STEVE 2441 WB3 JJK TOM 3127 W5 KRP LEO 3080 KB SLZ LEE 2428 KB LSO LW LARLES SUDITION STEVE 2441 WB3 JJK TOM 3127 W5 KRP LEO 3080 KB SLZ LEE 2428 KB LSO LW LARLES SUDITION STEVE 2441 WB3 JJK TOM 3127 W5 KRP LEO 3080 KB SLZ LEE 2428 KB LSO LW LARLES SUDITION STEVE BLAINE 2026 KB LSZ LEE 2428 KB LSO LW LARLES SUDITION STEVE BLAINE 2026 KB LSZ LEE 2428					!									_		
K7 IB DARRYL 2416 WA4 JJJ ALAN 2438 KB BRUCE 3308 KC7 LSO RICH 1990 K7 IB HARRY 3255 KB JJJ ALAN 2433 KB BRUCE 3208 KB LYZ LEZ 2424 KB JJJ ALAN 2433 KB BRUCE 3208 KB LYZ LEZ 2424 KB JJJ ALAN 2438 KB BRUCE 3204 KB LYZ LEZ 2424 KB JJJ ALAN 2438 KB BRUCE 3208 KB LYZ LEZ 2424 KB LYZ LEZ 2424 KB JJJ ALAN 2438 KB BRUCE 3204 KB LYZ LEZ 2424 KB JJJ ALAN 2438 KB BRUCE 3204 KB LYZ LEZ 2424 KB JJJ ALAN 2438 KB BRUCE 3204 KB LYZ LEZ 2424 KB JJJ ALAN 2438 KB BRUCE 3204 KB LYZ LEZ 2424 K	AB7	IA	ROBERT	2539	N8	JIW	DON		1		GARY	2534	AA9 L	s a	JIM	
K8 IND STEVE 2414 W3 JJK TOM 3125 W5 KR9 KRD DN 1752 K89 LSZ LEE 2428 K8 IND STEVE 2414 W3 JJK TOM 3127 W5 KRP LEO 3080 K3 LT LARRY 2008 KJ5 IB TOM 2083 K86 JJK MARK 3265 KF4 KBV ED 2964 W4 LT GEORGE 3227 KK54 IB EEN 3087 KS JKY MIKE 2626 KF8 KS STEVE 3141 K3 LU ULLSESITISMUS 2555 K65 IBU CHARLES 2051 K17 JL LARRY 3181 WAR KSS STEVE 3141 K3 LU ULLSESITISMUS 2555 K65 IBU CHARLES 2051 K7 JL LARRY 3181 WAR KSS STEVE 3141 K3 LU ULLSESITISMUS 2555 K65 IBU CHARLES 2051 K7 JL LARRY 3181 WAR KSS STEVE 3141 K3 LU ULLSESITISMUS 2555 K65 IBU CHARLES 2051 K7 JL LARRY 3181 WAR KSS STEVE 3141 K3 LU ULLSESITISMUS 2555 K65 IBU CHARLES 2051 K7 JL LARRY 3181 WAR KSS STEVE 3141 K3 LU ULLSESITISMUS 2555 K7 LEE 2426 W6 K1G STEVE 3037 W8 LUY HACK 2999 K7 K16 LU WAR KSS STEVE 3141 K3 LU PAUL 3020 W6 LUY HACK 2999 K7 K16 K16 LU WAR KSS STEVE 3141 K3 LU PAUL 3020 W6 LUY HACK 2999 K7 K16 LU WAR KSS STEVE 314 K5 KV FOLLOW STEVE 3037 W8 LUY HACK 2999 K7 K16 LU WAR KSS STEVE 314 K5 KV GRAVIN 2338 W4 LVP BILL 3247 W5 LU WAR KSS STEVE 314 K5 KV GRAVIN 2338 W4 LVP BILL 3247 W5 LU WAR KSS STEVE 314 K5 KV BENNY 2337 KV W LARRY 2589 W8 LIS LARRY 1777 W38 JOH SAND 2543 K8 LU WAR WAR KSS STEVE 314 K5 KN W LAW AND WAR KSS STEVE 314 K5 KV BENNY 2377 KV BENNY 2378 KV				3284	N9	JIY	MIKE		KG0	KR	ELIZABETH	1592	KC7 L	SN I	LORILLE	2014
K8 1IN S STEVE 2441 W33 JJK TOM 3127 W5 KRP LEO 3080 K3 LT LARRY 2008 KSJ IE TOM 2083 K86 JJR MARK 3265 KF4 KRW ED 2064 W4 LT GEORGE 3227 KS4 IE BEN 3087 N5 JKY MIKE 2626 KF8 KS STEVE 3141 K3 LU ULJSES(TIJS)W3 2555 K65 KF4 KRW ED 2064 W4 LT GEORGE 3227 KKS LE BEN 2051 KT7 JL LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W38 KSS RALPH 1417 KA7 LUH CARL 1932 KB2 LT LARRY 3181 W5 LT LARRY 3181 LARRY 3181 W5 LT LARRY 3																
System S					•								1			
KS4 IR BEN 3087 NS JKY MIKE 2626 KP8 SS SEEVE 3141 KB LU UBLASENTISMO 2555 KB5 IRV CHARLES 2051 KIT JL LARRY 3181 VAB KSS RALPH 1417 KA LUK PAUL 3020 K4 IFF BIAHAM 208 MB JLI JEFF 3268 KG KU LUK PAUL 3020 K4 IFF BIAHAM 1938 WB JMA JOHN 3454 WIT KV GROW 2325 KF WB LUV HALL 3227 KF WB LU PAUL 3227 KB LUV HALL 3221 KK KW LUV HALL 3227 KB LUV HALL 3221 KK WB LU 3223 KB LUV LARRY 2328 KB JW MW AU MW AU </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>l .</td> <td></td> <td></td> <td></td>					1								l .			
March Marc									l .				F .			
MB2 IPE ELAINE 2026									l .				E			
K8 IG RICH 3306 KC2 JM JEFF 3268 W36 KUG BENIE 3037 W8 LUV HACK 2999 KI4 IH FRANK 1938 W3 JM JOHN 3454 W15 SEV 3275 KF4 LVE KEITH 2722 KI4 IH FRANK 1938 W3 JM JOHN 3454 W15 KF2 JW JEFF 2722 KI4 IH FRANK 1938 W3 JM JOHN 3454 W15 KF2 JW JEFF 2722 KI8 JH WARREN 3408 KB6 JMJ OHN 3454 W15 KF2 JW JEFF 2722 KB9 JM JOHN 3454 W15 KF2 JW JEFF 2738 W4 LV JEFF 2738 W34 LV					ı								1			
K9 IH WARREN 1938 W8 JMA JOHN 3454 WL7 KV GARY 2338 W4 LVP BILL 3247 K9 IH WARREN 3408 K66 JMJ TOM 2921 K5 KV BENNY 2397 K0 LWV LARRY 2589 NO IHM WES 2952 K08 JN RANDY 2543 M4 KVA HORACE 2408 AA3 LX BRUCE 2525 KA1 IIQ STAN 1974 WD8 JOH JOHN 2749 KB9 KWL JOHN 3340 W2 LYH BOB 2758 WB IIIS LARRY 1777 WD8 JOH PARKER 3043 W4 KWW JOHN 2375 KB9 LYH JACKIE 3444 KC5 IIX HOWARD 2700 K8 JPM BOB 2997 KB7 KX GAVIN 2382 KB LYR JOHN 2312 KR6 LYR JACKIE 3444 KMW JOHN 3406 W1 LYH BOB 2012 RANDY 2470 KB LYR JACKIE 3444 KMW JOHN 2385 KB LYR JOHN 2312 KB LYR JACKIE 3444 KMW JOHN 3241 KJB M RODER 1464 AA1 IK ERNIE 2644 KF4 JRO BOB 3079 WL KX BILL 3437 KJB M RODER 1464 AA1 IK ERNIE 2644 KF4 JRO BOB 3079 WL KX BILL 3437 KJB M RODER 1464 AA1 IK ERNIE 2644 KF4 JRO BOB 3079 WL KX BILL 3437 KJB M RODER 1464 KMW JOHN 172 KJB M RODER	KA4	IFF		0011	WD8	JLI	JEFF	3268	WB6	KUG	BERNIE		W8 L	UY H	łack	2999
No IM WARREN 3408 KB6 JMJ TOM 2921 K5 KV BENNY 2397 K0 LWV LARRY 2589 NO IM WES 2952 K68 JN RANDY 2543 N4 KVA HORACE 2408 AA3 LX BRUCE 2525 KA1 IIQ STAN 1974 WD8 JOH JOHN 2749 KB9 KWI JOHN 2375 KB9 LVM JACKIE 3444 KC5 IIX HOWARD 2770 KB9 JUM JACKIE 3444 KK5 IIX HOWARD 2770 KB9 JUM JACKIE 3444 KK5 IIX KARL 1013 N6 JRL DON 2470 KK6 JUM MARTHUR 1222 KK6 JUM MARTHUR 1224 KK7 JUM MARTHUR 1222 KK6 JUM MARTHUR 1224 KK7 KV8 MARTHUR MARTHUR 1224 KK7 JUM MARTHUR 1224 KK7 JUM MARTHUR 1224 KK7 JUM MARTHUR 1224 KK7 KV8 JUM MARTHUR 1224 KK7 JUM MARTHUR 1224 KK7 KV8 JUM MARTHUR 1224 KK7 JUM MARTHUR 1224 KK7 KV8 J	K8	IG	RICH		ı		JERRY		KF4	KUO	STEVE		KF4 L	VE F	KEITH	
NO 1HM WES	_															
Mail I					1								1			
W8 I.I.S																
KC5 IJX HOWARD													1			
KG IJE "IM" 3357 WA8 JPR BILL 3215 N7 KX BOB 3046 NT1 M ARTHUR 1222 ARTHUR									ı				4			
AA1 IK ENNIE 2644 KF4 JRO BOB 3079 WI KX BILL 3437 NUI M DAN 1722 N8 IKS PAUL 3334 N4 JS JOHN 2781 VE3 KXJ BILL 2116 WX7 M PATRICK 2493 N8 ILN DENNIS 3233 N8 JSK SCOTT 2561 K4 KYO TONY 2378 KCO M LARRY 2528 WB2 IMO JORDY 2497 KE4 JSL JACK 2754 WX3 L MIKE 1256 KSO M DICK 3067 VB3 INB GEORGE 2000 N8 JE DEL 2426 WX3 L MIKE 1256 KSO M DICK 3067 VB3 INB BILL 2659 KBO JTS BILL 1586 AIP L JESSE 1772 W4 MA BILL 2623 WB IO BOB 2692 W4 JTU BERT 1999 AE2 L JOSH 1912 KC7 MAX DARRYL 2442 AA0 IQ CLAUDE 1211 AC5 JU JIM 3431 W8 B LL 2572 KB JV JIM 2372 NA IQ BILL 2572 KB JV JIM 2372 NA IQ BILL 2570 KB JV JIM 2372 NA IQ BILL 2571 KB JV JIM 2372 NA IR JOHN 1906 K9 JWI CLYDE 3051 N3 LE ROBIN 3414 KC5 MDD JOHN 1957 KB9 ISR WAYNE 2761 N5 JWL DICK 2510 N9 LEC JIM 3063 KB MEG RICH 1790 KE4 ITN TOM 3433 WB6 JXY TED 3209 KB LEN DARN 3475 WAF LEE USQUE 3106 KE4 ITN TOM 3433 KB JXW JIM 2325 W3 LEN LEN 1043 HFE EURIQUE 3106 KE4 ITN TOM 3433 KB JXW JIM 2325 W3 LEN LEN 1043 HFE EURIQUE 3106 KE4 ITN TOM 3433 KB JXY TED 3209 KB LEN PATRICK 1494 N1 MFR GARY 1299 N1 ITW DICK 1492 K2 JY STEVE 3432 KB LF LARRY 2606 NB MFY HAL 2473 M8 IX RIC 2005 KK5 JZ LOWELL 3299 KB LF LARRY 3065 AE4 MG BARBARA 2018 KB IX RIC 2499 KC Z499 KC Z490 KK SJ DOWL 2962 NB IX RIC 2499 KC Z499 KC Z499 KC Z490 KK SJ DOWL 2962 KB9 IXT KEN 3196 AA1 KC LON 2022 KB IXT KEN 3196 AA1 KC LON 2022 KB IXT FRANK 3335 NN9 K PETE 2047 KB IXT KEN 3196 AA1 KC LON 2022 KB IXT KEN 3196 AA1 KC LON 2022 KB LER BOB 2464 N3 MGS DICK 2101 KB9 JXT KEN 3196 AA1 KC LON 2022 KB LER BOB AA4 KC LON 2022 KB LER BOB AA4 KC RICHARD 2459 AB7 MH DAVID 2498 KA3 J BUD 2513 W7 KCJ ANDY 2527 KB LIG RICHARD 2459 AB7 MH DAVID 2554 KB9 JXT KEN 3196 AA1 KC LON 2022 KB9 JXT KEN 3196 AA1 KC RICK 2458 KK LIG RICHARD 2459 AB7 MH DAVID 2554 KB9 JXT WORNER 2560 AA3 KD CHRIS 3240 KB LIG JOHN 1460 KC1 MI JOHN 1491 KA3 J BUD 2513 W7 KCJ ANDY 2527 KB LIG JOHN 1460 KC1 MI JOHN 1491 KA3 J BUD 2513 W7 KCJ ANDY 2527 KB LIG JOHN 1460 KC1 MI JOHN 1491			"TM"		l .				ı							
VE3 IKS			KARL		N6	JRL	DON					3241	KJ8 M	F	RODGER	1464
NB ILN DENNIS 3233 NB JSK SCOTT 2561 K4 KYO TONY 2378 KCO M LARRY 2528 MB2 IMO JORPY 2497 MB GEORGE 2000 NB JTE DEL 2426 WX3 L MIKE 1256 KSO M DICK 30867 MB INT BILL 2659 KBO JTS BILL 1586 A19 L JESSE 1772 W4 MA BILL 2623 MB IO DOB 2692 W4 JTU BERT 1999 A22 L JOSH 1912 KC7 MAX DARRYL 2442 A442 A442 A444 A44													1			
WB2 IMO													1			
VE3 INB GEORGE 2000 N8 JTE DEL 2426 NA2 L ANDREW 1262 NJ1 M DICK 3282 N3 INT BILL 2659 KBO JTS BILL 1586 N6 IO BOB 2692 W4 JTU BERT 1999 AAO IQ CLAUDE 1211 AC5 JU JIM 3431 KS IQ JOHN 2524 AA3 JV CRAIG 1573 N4 IQ BILL 2572 K8 JV JIM 2372 KAO IQT JIM 1241 K0 JW STEVE 3344 KV ITM 1906 K9 JWI CLYDE 3051 KS9 ISR WAYNE 2761 N5 JWL DICK 2510 KG0 IT BILL 3341 K8 JWR DAN 3375 KS0 IT BILL 3341 K8 JWR DAN 3375 KV IUI MERT 1793 K89 JYN KIDIANA D. 2955 KV IUI MERT 1793 K89 JYN K.INDIANA D. 2955 KK1 IUI MERT 1793 K85 JYN K.INDIANA D. 2955 KK2 IVG GEORGE 3024 KK2 IVG GEORGE 3024 KK5 JZ LOWELL 3299 KK5 IXR DAVE 2687 NS7 K RICH 3175 KK69 IXT KEN 3196 AA1 KC CNO 2022 N1 IYH JIM 2729 KT KC RICK 2458 KK1 JAN VUZURU 1543 AC4 KD HARRY 3211 KK7 MAX DENT 1460 KR1 MRR MR									1				1			
N3 INT BILL 2659 KB JTS BILL 1586 AI9 L JESSE 1772 W4 MA BILL 2623																
No.																
AAO IQ CLAUDE 1211 AC5 JU JIM 3431 WO8 L RICK 2188 N9 MCQ MARK 1579 N9 IQ JOHN 2524 AA3 JV CRAIG 1573 N80 L JESS 2928 AA3 MD CRAIG 2391 N80 IQ JESS 2929 N80 IQ JESS 2928 AA3 MD CRAIG 2391 N80 IQ JESS 2928 AA3 MD CRAIG 2391 N80 IQ JESS 2929 N80 IQ JESS 2929 N80 IQ JESS 2928 AA3 MD CRAIG 2391 N80 IQ JESS 2929 N80 IQ JESS 2928 AA3 MD CRAIG 2391 N80 IQ JESS 2929 N80 IQ JESS 2928 AA3 MD CRAIG 2391 N80 IQ JESS 2929 N80 IQ JESS 2929 N80 IQ JESS 2928 N80 IQ JESS 2928 N80 IQ JESS 2928 N80 IQ JESS 2929																
N4 IQ BILL 2572 K8 JV JIM 2372 NN3 L ROBIN 3414 KC5 MDD JOHN 1957 KAO IQT JIM 1241 K0 JW STEVE 3344 KJ7 LB PAUL 2453 K8 ME DWAINE 1466 WAYNE 2761 N5 JWL DICK 2510 N9 LEC JIM 3063 K8 MEG RICH 1790 KG0 IT BILL 3341 K8 JWR DAN 3375 W6 LEE LEE 0739 K4 MF GARY 2580 N3 ITF ALAN 1038 K9 JXW JIM 2325 W3 LEN LEN 1043 LU3 MFE EURIQUE 3106 KE4 ITN TOM 3433 WB6 JXY TED 3209 K8 LEN PATRICK 1494 N1 MFR GARY 1299 N1 ITW DICK 1492 K2 JY STEVE 3432 W81 LEN 2473 W81 LEN 2474 W81 LEN 247	AA0	IQ	CLAUDE	1211					WO8	L		2188	N9 M	CQ M		
KAO IQT JIM 1241 KO JW STEVE 3344 KJ7 LB PAUL 2453 K8 ME DWAINE 1466 W4 IRE JOHN 1996 K9 JWI CLYDE 3051 N3 LBC JOE 1558 N3 MEE DALE 1425 KB9 IST WAYNE 2761 N5 JWL DICK 2510 N9 LEC JIM 3063 K8 MEG RICH 1790 KG0 IT BILL 3341 K8 JWR DAN 3375 W6 LEE LEE 0739 K4 MF GARY 2580 N3 ITT ALAN 1038 K9 JXW JIM 2325 W3 LEN LEN 1043 LU3 MFE EURIQUE 3106 KE4 ITN DICK 1492 K2 JY STEVE 3432 K8 LEN PATRICK																
W4 IRE JOHN 1906 K9 JWI CLYDE 3051 N3 LBC JOE 1558 N3 MEE DALE 1425 KB9 ISR WAYNE 2761 N5 JWL DICK 2510 N9 LEC JIM 3063 K8 MEG RICH 1790 KG0 IT BILL 3341 K8 JWR DAN 3375 W6 LEE LEE 0739 K4 MF GARY 2580 N3 ITF ALAN 1038 K9 JW JIM 2325 W3 LEN LEN 1043 LU3 MFE EURIQUE 3106 K4 ITN TOM 3433 W86 JYY TED 3209 K8 LEN PATRICK 1494 N1 MFR GARY 1299 N1 ITW DICK 1492 K2 JY STEVE 3432 KE8 LF LARRY 2606 N8 MFY HAL 2473 W4 IUI MERT 1793 KB9 JYN W.INDIANA D. 2955 N5 LF ALAN 3027 N8 MG MARTY 1760													•			
KB9 ISR WAYNE 2761 N5 JWL DICK 2510 N9 LEC JIM 3063 K8 MEG RICH 1790 KG0 IT BILL 3341 K8 JWR DAN 3375 W6 LEE LEE 0739 K4 MF GARY 2580 N3 ITF ALAN 1038 K9 JXW JIM 2325 W3 LEN LEN 1043 LU3 MFE EURIQUE 3106 KE4 ITN TOM 3433 WB6 JXY TED 3209 K8 LEN PATRICK 1494 N1 MFR GARY 1299 N1 ITW DICK 1492 K2 JY STEVE 3432 K8 LF LARRY 2606 N8 MFY HAL 2473 W4 IUI MERT 1793 K89 JYN W.INDIANA D. 2955 N5 LF ALAN 3027 N8 MG MARTY 1760 N8 IX RIC 2005 KK5 JZ LOWELL 3299 W8 LFJ KERM 1794 KJ5 MG DONALD 2060 <													1			
KGO IT BILL 3341 K8 JWR DAN 3375 W6 LEE LEE 0739 K4 MF GARY 2580 N3 ITF ALAN 1038 K9 JXW JIM 2325 W3 LEN LEN 1043 LU3 MFE EURIQUE 3106 KE4 ITN TOM 3433 WB6 JXY TED 3209 K8 LEN PATRICK 1494 N1 MFR GARY 1299 N1 ITW DICK 1492 K2 JY STEVE 3432 KE8 LF LARRY 2606 N8 MFY HAL 2473 W4 IUI MERT 1793 KB9 JYN W. INDIANA D. 2955 N5 LF ALAN 3027 N8 MG MARTY 1760 K2 IVG GEORGE 3024 KKB9 JYN W. INDIANA D. 2955 N5 LF ALAN 3027 N8 MG MARTY 1760 K2 IVG GEORGE 3024 KK5 JZ LOWELL 3299 W8 LFA JEREMY 3065 AE4 MG BAR																
N3 ITF ALAN 1038 K9 JXW JIM 2325 W3 LEN LEN 1043 LU3 MFE EURIQUE 3106 KE4 ITN TOM 3433 WB6 JXY TED 3209 K8 LEN PATRICK 1494 N1 MFR GARY 1299 N1 ITW DICK 1492 K2 JY STEVE 3432 KE8 LF LARRY 2606 N8 MFY HAL 2473 W4 IUI MERT 1793 KB9 JYN W.INDIANA D. 2955 K2 IVG GEORGE 3024 KK5 JZ LOWELL 3299 W8 LFJ KERM 3065 AE4 MG BARBARA 2018 KK5 JZ LOWELL 3299 W8 LFJ KERM 1794 KJ5 MG DONALD 2060 AE4 IX RICK 2499 K6 JZD LOU 2962 KB9 LFR BOB 2464 N3 MGS DICK 2101 KD2 IX FRANK 3335 NN9 K PETE 2047 AB4 LG RICHARD 2459 AB7 MH DAVID 2498 KB9 IXT KEN 3196 AA1 KC LON 2022 W8 LHG RALPH 0794 N8 MHV CONRAD 1295 W8 LHG RALPH 0794 N8 MHV CONRAD 1295 N1 IYH JIM 2729 KT4 KC RICK 2458 KE4 LIA GERALD 2143 AA8 MI GENE 0914 KX3 J BUD 2513 W7 KCJ ANDY 2527 K8 LJG JOHN 1460 KC1 MI JOHN 1491 AA1 JA YUZURU 1543 AC4 KD HARRY 3211 WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347)								l .			
KE4 ITN TOM 3433 WB6 JXY TED 3209 K8 LEN PATRICK 1494 N1 MFR GARY 1299 N1 ITW DICK 1492 K2 JY STEVE 3432 KE8 LF LARRY 2606 N8 MFY HAL 2473 W4 IUI MERT 1793 KB9 JYN W.INDIANA D. 2955 N5 LF ALAN 3027 N8 MG MARTY 1760 K2 IVG GEORGE 3024 KK5 JZ LOWELL 3299 W8 LFJ KERM 1794 KJ5 MG DONALD 2060 AE4 IX RICK 2499 K6 JZD LOU 2962 KB9 LFR BOB 2464 N3 MGS DICK 2101 KD2 IX FRANK 3335 NN9 K PETE 2047 AB4 LG RICHARD 2459 AB7 MH DAVID 2498 KA5 IXR DAVE 2687 NS K RICH 3175 AA1 KC LON 2022 AB4 KC RICK 2458 AB4 LG RALPH 0794 N8 MHV CONRAD 1295 KB9 IXT KEN 3196 AA1 KC RICK 2458 AB4 LG RALPH 0794 N8 MHV CONRAD 1295 KX3 J BUD 2513 AA6 KC RICK 2458 AB4 LG RALPH 0794 N8 MHV CONRAD 1295 AA1 KC RICK 2458 AB7 AB4 LG RALPH 0794 N8 MHV CONRAD 1295 KX3 J BUD																
W4 IUI MERT 1793 KB9 JYN W.INDIANA D. 2955 N5 LF ALAN 3027 N8 MG MARTY 1760 K2 IVG GEORGE 3024 KK5 JZ LOWELL 3299 KB8 LFA JEREMY 3065 AE4 MG BARBARA 2018 N8 IX RIC 2005 KK5 JZ LOWELL 3299 W8 LFJ KERM 1794 KJ5 MG DONALD 2060 AE4 IX RICK 2499 K6 JZD LOU 2962 KB9 LFR BOB 2464 N3 MGS DICK 2101 KD2 IX FRANK 3335 NN9 K PETE 2047 AB4 LG RICHARD 2459 AB7 MH DAVID 2498 KA5 IXR DAVE 2687 NS7 K RICH 3175 N9 LGP DAVE 1050 VP2 MH LAWTON 2554 KB9 IXT KEN 3196 AA1 KC LON 2022 W8 LHG RALPH 0794 N8 MHV CONRAD 1295 N1 IYH JIM 2729 KT4 KC RICK 2458 KE4 LIA GERALD 2143 AA8 MI GENE 0914																
K2 IVG GEORGE 3024 EXPERIMENTERS KB8 LFA JEREMY 3065 AE4 MG BARBARA 2018 N8 IX RIC 2005 KK5 JZ LOWELL 3299 W8 LFJ KERM 1794 KJ5 MG DONALD 2060 AE4 IX RICK 2499 K6 JZD LOU 2962 KB9 LFR BOB 2464 N3 MGS DICK 2101 KD2 IX FRANK 3335 NN9 K PETE 2047 AB4 LG RICHARD 2459 AB7 MH DAVID 2498 KA5 IXR DAVE 2687 NS7 K RICH 3175 AA1 KC NP LGP DAVE 1050 VP2 MH LAWTON 2554 KB9 IXT KEN 3196 AKT4 KC RICK 2458 AB4 KC KIG RALPH 0794 N8 MHV CONRAD 1295 N1 IYH JIM 2729 KT4 KC RICK 2458 AB4 KC KE4 LIA GERALD 2143 AA8 MI GENE 0914 KX3 J BUD 2513 AC4 KD HARRY 3211 AB4 JA WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347	N1	ITW	DICK	1492	K2	JY									I AL	2473
N8 IX RIC 2005 KK5 JZ LOWELL 3299 W8 LFJ KERM 1794 KJ5 MG DONALD 2060 AE4 IX RICK 2499 K6 JZD LOU 2962 KB9 LFR BOB 2464 N3 MGS DICK 2101 KD2 IX FRANK 3335 NN9 K PETE 2047 KA5 IXR DAVE 2687 NS7 K RICH 3175 N9 LGP DAVE 1050 VP2 MH LAWTON 2554 KB9 IXT KEN 3196 AA1 KC LON 2022 W8 LHG RALPH 0794 N8 MHV CONRAD 1295 N1 IYH JIM 2729 KT4 KC RICK 2458 KX3 J BUD 2513 W7 KCJ ANDY 2527 K8 LJG JOHN 1460 KC1 MI JOHN 1491 AA1 JA YUZURU 1543 AC4 KD HARRY 3211 WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347					кв9	JYN										
AE4 IX RICK 2499 K6 JZD LOU 2962 KB9 LFR BOB 2464 N3 MGS DICK 2101 KD2 IX FRANK 3335 NN9 K PETE 2047 AB4 LG RICHARD 2459 AB7 MH DAVID 2498 KA5 IXR DAVE 2687 NS7 K RICH 3175 N9 LGP DAVE 1050 VP2 MH LAWTON 2554 KB9 IXT KEN 3196 AA1 KC LON 2022 W8 LHG RALPH 0794 N8 MHV CONRAD 1295 N1 IYH JIM 2729 KT4 KC RICK 2458 KE4 LIA GERALD 2143 AA8 MI GENE 0914 KX3 J BUD 2513 W7 KCJ ANDY 2527 K8 LJG JOHN 1460 KC1 MI JOHN 1491 AA1 JA YUZURU 1543 AC4 KD HARRY 3211 WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347					עענ	т9										
KD2 IX FRANK 3335 NN9 K PETE 2047 AB4 LG RICHARD 2459 AB7 MH DAVID 2498 KA5 IXR DAVE 2687 K RICH 3175 N9 LGP DAVE 1050 VP2 MH LAWTON 2554 KB9 IXT KEN 3196 AA1 KC LON 2022 W8 LHG RALPH 0794 N8 MHV CONRAD 1295 N1 IYH JIM 2729 KT4 KC RICK 2458 KE4 LIA GERALD 2143 AA8 MI GENE 0914 KX3 J BUD 2513 W7 KCJ ANDY 2527 K8 LJG JOHN 1460 KC1 MI JOHN 1491 AA1 JA YUZURU 1543 AC4 KD HARRY 3211 WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347																
KA5 IXR DAVE 2687 NS7 K RICH 3175 N9 LGP DAVE 1050 VP2 MH LAWTON 2554 KB9 IXT KEN 3196 AA1 KC LON 2022 W8 LHG RALPH 0794 N8 MHV CONRAD 1295 N1 IYH JIM 2729 KT4 KC RICK 2458 KE4 LIA GERALD 2143 AA8 MI GENE 0914 KX3 J BUD 2513 W7 KCJ ANDY 2527 K8 LJG JOHN 1460 KC1 MI JOHN 1491 AA1 JA YUZURU 1543 AC4 KD HARRY 3211 WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347																
KB9 IXT KEN 3196 AA1 KC LON 2022 W8 LHG RALPH 0794 N8 MHV CONRAD 1295 N1 IYH JIM 2729 KT4 KC RICK 2458 KE4 LIA GERALD 2143 AA8 MI GENE 0914 KX3 J BUD 2513 W7 KCJ ANDY 2527 K8 LJG JOHN 1460 KC1 MI JOHN 1491 AA1 JA YUZURU 1543 AC4 KD HARRY 3211 WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347					•											
N1 IYH JIM 2729 KT4 KC RICK 2458 KE4 LIA GERALD 2143 AA8 MI GENE 0914 KX3 J BUD 2513 W7 KCJ ANDY 2527 K8 LJG JOHN 1460 KC1 MI JOHN 1491 AA1 JA YUZURU 1543 AC4 KD HARRY 3211 WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347									•				E .			
KX3 J BUD 2513 W7 KCJ ANDY 2527 K8 LJG JOHN 1460 KC1 MI JOHN 1491 AA1 JA YUZURU 1543 AC4 KD HARRY 3211 WB2 LJG NATE 2039 W2 MIE CHRIS 2744 KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347								2458					1			
KB9 JAI DWIGHT 2765 AA3 KD CHRIS 3240 KE4 LJS JAY 2381 WB9 MII GREG 3347	кх3	J		2513					K8	LJG	JOHN	1460	KC1 M	1 3	JOHN	1491
					ı											
KF6 JAU JACQUI 2330 NO NOC JIN JII2 AAZ LK BRIAN 1042 W/ MIO ERMON 2085								3∠4U 3112	KE4	LJS						
	KF6	JAU	JACQUI	∠ 33 U	I 1/2	MDC	OIM	J112	AAZ	μĸ	DKIAN	1042	[W / M.	TO F	SKMON	∠∪85

FISTS	CW CL	UB			Membe	ership I	Roste	er 7	//2/97					
VE3 MIQ	BILL	3025	AA2	NL	RICH	3342	кв2	OIC	\mathtt{BILL}	2902	KE4	PPI	PETE	1799
WD4 MIS	JOHN	3167	KC5	NLD	BRAD	2465	KE6	010	DORTHEA	3364	KC5	PPO	GARY	2924
WAO MJD	DUANE	3156	И8	NLE	JIM ·	1756	WA2	OJN	WILL	2468	AA8	PQ	NEAL	2389
VE2 MJE	MIKE	2156	N8	NLK	DAVE	1455	W3	OKN	MERLE	1281	N5	PRF	JOHN	2704
KA2 MJV	CURT	2020	K3	NLT	RUSS	3273	NO	OKS	MARK	3212	N1	PΤ	DAVID	2560
KF4 MKB	BILL	3359	N1	NM	AL	2399	AA1	$oldsymbol{L}$	BRUCE	1966	WA3	PTY	AL	3151
N1 MKE	GEORGE	3121	AL7	NM	ART	2680	W6	OLD	DICK	1521	K7	PU	KEN	2354
KC5 MLV	JAY	2918	WO	NMB	PAUL	2013	W1	OLK	RALPH	3466	KD4	PUP	JERRY	1946
N6 MLW	DAVID	1263	WB4	NNC	ALBY	2909	AE4	OM	DAVE	0719	N3	PUR	MIKE	3131
N6 MM	HARVEY	2194		NNH	ANDY	1428	KB7	OMU	JOHN	2199	KB2	PVC	KEITH	3071
KE8 MM	FRANK	2992		NNQ	RICH	2686	KF2		WILLIAM	1570		PVP	MARINO	1770
KB8 MMA	YVONNE	3461	l .	NOF	BUD	2321	1	ONU	JIM	2445	KD8		CURT	2065
WA7 MMG	ART	2322		NOX	DICK	2978	1	MOO	SAM	1582		PWJ	BILL	3472
KB2 MMO	MIKE	3228	i .	NPL	PAUL	3399	•	OPV	JERRY	2974		PWP	PAUL	2153
VE3 MMQ	GEORGE (GOTTIA		ı	NQC	BILL	2634	1	OPW	EARL	1797	i .	PYE	ED	3353
KB7 MNH	JIM	2196	KJ7		STEVE	1530	1	OQF	CHARLIE	1478		PYP	SCOTT	2485
N2 MNN	STEVE	3150	AA0		RICK	1704	KT4		RICHARD	2691		PZE	DICK	3451
K7 MOA	KEY	2456		NR	TOM	3458	i .	ORH	JIM	3378	AC4	_	PHIL	3123 313 4
W8 MON	DON	3140 3073	1	NRB	JERE	2439 2602	AD4 KIO		KEN @ W9YB	1787 2547	WN6	QA.	AL RONALD	1504
KO MP	BILL BRAD	3377	KJ7	NSL	PHIL TIM	3139	KS4		KEVIN JIMMY	1903		QBC	JOHN	2796
K4 MR K4 MSG	PAUL	2628		NSN	PETER	3201	1	OT	ANDY	2613	2	OBR	DOC	1996
WD4 MSM	BARRY	2681		NSR	BOB	3396	ł	OUA	PETE	1254	1	QBU	DON	2750
KB7 MSM	DAVÈ	2725	KE2		MICHAEL	1031	1	OUC	CLEARFIELD	2797	1	QCE	JOHN	3288
KA3 MTJ	CLARENCE	3326		NT	GURNEE	1955	1	000	SYRACUSE R.GE		1	QCU	DON	3318
AA1 MU	CRIS	1928	AC 6		ERIC	2621	N3	OUE	JOHN	2011	KT4		JOHN	2732
KF2 MU	OTTO	2328		NT	MIKE	2657	N9	OUH	PAULETTE	2368	1	QEE	AL	1980
AA9 MU	MARK	2576		NT	BRUCE (STEERS	3325	WA2	OVT	ROBERT	1472		QEN	RICK	1971
N3 MVL	STEVE	2357	I	NTC	MIKE	1725	W6	OW	JIM	3003		QEX	JOHN	2316
W8 MVN	ERNEST	1527		NTD	CHAS	3186	W 5	OW	BEVERLY	3188		QFK	PETE	2363
NI MVU	KIM	1909	KB8	NTE	BILL	1744	K8	OW	ARLAN	3333	KD1	QG	BRUCE	1227
N1 MVY	GENE	3270	W2	NTS	ED	2087	1	MWO	SKIP	2415	AB7	QG	TERRY	2551
KB7 MVZ	JUDY	1973		NU	JASON	2545	1	OWN	SHERRILL	1701		QGI	JO ANNE	3269
KT4 MX	WALT	3339		NUP	KELLY	2432	1	OWP	BART	3372	KB8	QGV	HOMER	2619
KC5 MXH	KEVIN	2592		NUT	RICHARD	3115	KJ7		BRIAN	1575		QIB	WALT	3287
W7 MXQ	ROD	3163	1	NUY	WALTER	2953	KA1		WAYNE	2489		QIL	HENRY	2137
W9 MYZ	AL	2773	1	NVV	LEE	1728	1	OXZ	ROGER MARTY	2926 2650			KEITH	2946
KB9 MZK	DAVE	3406	AC4		RICHARD	3108	1	ozs ozv	ROSE MARY	3315	VE1		MAURICE	3176
NU4 N	DAVE	2115	,	NY	JOE	2025	AE4		ELLIOTT	1788			FRED	3231
NW3 N	RICH	2504		NYG	RICH	2607	WK3		HERMAN	2353		QJT	ED	2304 2425
KB1 N	JERRY	2582 2756	WZO	NZP	BILL	0911 1526	WJ4		RANDY	2361		QJZ QKR	TOM LOU	3084
NU3 N K8 NA	CHARLIE TED	1415	AE3		RICHARD PACKY	3136	NI6		PAUL	3153		QLF	MARGIE	1533
AE4 NA	JIMMY	2190		OA.	MITCH	1467	KE6		MARC	3160		QLH	DAVID	3387
AA9 NA		3349			CHUCK	3019	AG5		WALTER	3259			RICHARD	1700
WA2 NAF	FRANK	2431		OBI		2929	WD3		LARRY	3294	AC6		CLAIRE	1992
KE4 NAY	JIM	1981		овк	вов	1481	K2	PA	LUIS	3260	KG8		вов	2111
WB4 NBI	STEVE	3004			MICHAEL	3098	N3	PAB	HANK	2514		QOL	TERRY	2568
	PAUL	2334	1	ocs	DON	1224		PAD	MARION	3102		Q00	JOHN	3184
AF4 NC	TOM	1741	WD8	ocv	DON	1508			HOWARD	3075		QOP	LEE	2977
K5 NC	WALDO	3356	KE 4	ODE	FRED	2309		PAX		3006		QR	BILL	1252
N1 NCY	JIM	3252			MIKE	1947			FRANK	3430		QR	RICK	2662
K4 ND	PAT	2669		OEL	SHEL	3157	1	PBO		0866	AE4		HARRY	2939
KA7 NDX		1784		OEM	CHARLES	2599		PBY		2949		QU	DAVE	2427
WO NF	PAM	3072		OF	DAVE	1214	AD4		JI MM Y	2346		QVB	JOHN	1047
K8 NFT	BILL	2624		OFG	JOE	2481		PEI PFU	BOB JOHN	1733 2187		QVB	RICHARD	1584
W2 NGB	CHUCK	3286		OFN	CHARLIE	2678	K2		PHIL	2995		QWJ	TED	2490
KB9 NGF	MIKE	2585	•	OGG	DAVE		KF2		NICK	3199	VE6		DWAYNE	3130
	NORMAN	1273		OGI	STEWART	2308		PHG		2705	KF2		CHET	1278 2968
KE4 NGS KC5 NGS	DAVID	2373 3 41 9		OGI OGV	ED CHARLES	2958 1587		PHO	SANDY	3320		QY QYR	RON JOHN	2488
	JACK CHARLES	0908		OGZ	LARRY	3254	KJ5		STEVE	2566	KB0		MARTIN	1780
W4 NJK W0 NJZ		2925	KF4		GEORGE	2130	AA8		JEFF	3401			BRIAN	1934
W6 NK	RUSS	2906		OHC	BILL	1737			VITO	3124		QZQ	JOE	2636
W5 NK	BOB	3208		OHF	TIM	1523		PKI	LARRY	2748	NJ8		RICHARD	2067
WB5 NKC		1986		OHK	DONNA	2611	1	PLW		2348	NY3		BILL	2452
WB5 NKD		1987		OHQ	JOHN	3210	1	PM	JOE	1268	NF7		DON	2734
w6 NKE	'KEN				BILL	2149	N6	PM	GREG	1568	WIO		TROY	3154
w6 nkr		3295				3193	KD6	POC	ADAM	3366	AH7	R	MIKE	3225

		S CW CI	LUB			Mem	bership 1	Rost	er 7	7/2/97				
		RICH		WA6	SBB	GALEN	2394	KB8	TCT	BERNIE	1773	W7 UDZ	DEL	2064
	RAR	WAYNE	2716		SBN	FRANK	1496	KB0	TCY	RICK	3023	KF8 UE	AL	1743
	RAY	CHARLES	1591	KB8		CHUCK	2038	KC1	TD	PAT	2620	KT4 UE	KEITH	3256
VY2		DICK	1410	AA9		CHUCK	3376	VE1		E.J.	3276	WB2 UEC	JOHN	3114
		BOB	2682	AA9		JOHN	2306		TDE	JOHN	2313	K7 UF	BILL	3122
	RCH	JOE	2665	WB8		JACK	3322		TEN	WADE	2723	WA5 UFH	TIP	2922
	RCM RCY	RICH DAVE	3415 3244	WL7	SFA	CHAS	2350		TEN	DALE	3200	WA1 UFO	HANS	2027
		BOB	0907	N1		BILL STEVE	2651	AB4		DEL	2106	KB7 UFS	GEORGE	1457
N7	RD	RD	2714		SGI	BILL	1450 2319		THR TI	JOHN	2795	K8 UGL	DICK	2172
	RDC	CHARLIE	3428	1	SHE	DORTHA	2082		TIF	JOE JUNE	1016 2006	N1 UGT KC5 UGX	D AN	2575
	RDO	GLEN	2788	1	SHK	JIM	3012		TIJ	DAVID	3049	W1 UI	BOB JERRY	3337 2675
	RDU	BOB	1264	N4		ROD	2358		TJL	JOHN	3297	AD4 UI	KAREN	3111
WO	RE	JIM	2776		SIA	LARRY	2300		TJW	BILL	2057	N4 UIQ		3219
N2	REL	BEN	1976	K8	SIA	JIM	3323	AB7		RANDY	3251	W6 UJX	JIM	3002
N2	REM	RAY	2342	KC7	SIB	MELODY		AA8	TK	EVAN	3327	N8 UJZ	MIKE	1571
	REY	JOHN	2937		SIC	DON	2557	WB8	TLC	CRAIG	3091	K15 UK	HARRY	2182
		ARCHIE		KA2		JACK	3363		TMR	ESTHER	3039	K4 UK	STAN	2934
	RFR	DON		KC7		BRUCE	3250	1	TMS	ART	2184	KB2 UKF	JOE	2639
KF8		KEN		KE4		JIM	2505	AA5		\mathtt{BILL}	2519	VE3 UKU	TOM	3379
KF2		GEORGE	2043	1	SKM	CAROLYN	3261		TNN	DEAN	3245	KE4 UKX	MIKE	2079
	RGQ RHG	PAUL	3155	K4	SLB	SCOTT	2933	1	TNV	CLAY	2450	KE4 UKY	MATT	2341
	RHM	SARA JOE	1418 2717	ŀ	SLR	BOB	2658	AC6		STAN	2695	KB2 ULL	TOM	2174
KG0		CHARLIE		AA2		RICH BOB	2165 2434	KG8	TOJ	DAN	2713	K2 ULZ	BRUCE	207 <i>6</i>
AA0		CHUCK		AB7		JIM	3171		TOY	MARVIN KEVIN	3224 2461	KE8 UM KJ7 UN	MURRAY LAURA	1518 2785
		GARY	2359		SNH	HENRY	2706	KF2		RICK	2191	K1 UNQ		1218
кв7		DWAIN		WA5		GILLY	2791		TP	TED	2403	WAS UNY		3304
N9		RUSS	2393	WA7		DICK	2553		TP	TOM	3312	AA9 UO	JIM	3460
AA8	RJ	DUANE	2413	K5	so	CARL	2782		TPE	ED	2605	VE3 UOL	DAVID	1542
AB7		MARSHA	2564	KC5	SOC	VICKY	3095		TQE	вов	3194	VE3 UOL	DAVID	1542
W 5	RJ	ROY	3137		SOT	BEN	3086		TR	TOM	2387	N8 UOO	JOYCE	2633
KF9		TONY		KI5		KEN	3059	N9	TRK	STEVE	1915	W4 UOR	FRANK ,	3338
AB7		GARY	2457		SQT	ALLAN	3453		TSO	CHUCK	2730	KG8 UQ	JIM	1705
		DENNIS		KC7		KURT	3352	KO4		STEVE	3180	W8 UQ	RON	2727
W3		RL	2698		SRZ	ALAN	2536		TTL	JAY	2740	KE6 UQK		2355
4	RMD	CHAS		AA9		JOHN	1483		TTT	SHEILA	2078	KJ7 US	PRESTON	3350
	RNL RNP	LB ALAN	2600 3147		SSC SSG	GEORGE DAVE	3090 2365	KF9	TTY	BOB GREG	3418	KE4 USA		2045
	RNV	FRANK	1	KC7		ED	3038		TUF	BILL	1228 1430	KC6 UTA KA2 UTF	CHARLIE GARY	3226 2503
	RO	FRANK	1	KT4		ARNIE	2940		TVZ	BOB	2384	VA3 UU	JACK	2517
	ROA	DAN		KA1		BEN	2113		TW	TED	3386	AA8 UU	JOHN	3343
	ROG	KEN		кв2		JOHN	1967	W4		RAY	1487	KC4 UUG	DON	0910
	ROV	JIM	3266`		SUS	ED	2395		TWJ	DAVE	1435	N9 UUI	BOB	2402
VA3	RP	ROD	2684	K4	SV	LIN	1940	KB2	TWK	GEORGE	2331	KS4 UV	ED	1769
			1485	N2		STEVE	2104	WA2	TWS	ROY	2903	N3 UVR	CHRIS	2347
	RQN	CHERYL		кв7		DAVE	1549		TWZ	KEN	2 47 6	W9 UW	RON	3412
AA1		PAUL		KB7		LEON	2771		TX	STEVE	3467	N3 UWZ	RICH	2957
		RONALD	2533	N9		GENE	1202		TXJ	JIM	1448	WA1 UWZ	RON	3099
	RSD RSX	FRANK	2411 1939	KB2		CHUCK	1964	AB5	TXU	SKIP	1958	K8 UX	DAVE	2648
		CARSON LEE	1	KE8	SWZ	BERNIE PAT	07 4 8 1927	KD3		LEA DON	1563 2344	KC7 UXA	STEVE LARRY	33981 3475
		ROB		KA9		TERRY	2616		TYB	BOB		KA3 UXU KG8 UY	MIKE	3 47 5) 2721.
		MIKE		KF8		ED	1720		TYC	JACK		KF8 UY	BOB	3319
K06		CLAUDE		AA9		BOB	2157			DAVE	2603	N4 UY	JAKE	3450
		GEORGE	2440	I	SYR	BOB			TZA	FRANK	1945	KE4 UYS	BERT	2386
	RUO	STEVE	2923	K7		RICH	2793	w3	TZW	ROY	3205	KD6 UZJ	DAVE	2033
AA8	RV	MIKE	1046	K1	SZK	FRED		WG3		JOHN	1500	KB2 UZY		2356
	RVV	TOM		WP2		MAGGIE	1287	WZ8		LOREN	1712	WE6 V	JIM	0865
	RVY	RALPH		WZ2		RICK	2753	WI3		HENRY	2708	NY2 V	FRED	1293
	RWH	CARL		NV1		GERRY		NZ2		JIM	2778	кв7 v	PAUL	2003
AE4		AL		NB2		LOU		KF4		JIM	3007	NK8 V	BOB	2302
AA1		NEL		WR4		THEODORE		KJ5		EL	3229	KB5 V	JIM	3113
	RXO	KEITH	2073	N9		FRED	2301		UBC	BILL	3083	KS5 V	ED	3283
WX4		ED	1	KB6		JIM	2655		UBG	BOB	3361	AC9 V	BOB	3331
KF8		STEW	2683 2911	KE4	TAT	D AN TERRY	3173 2303		UCL UCS	CORB	2642 3355	KF9 VA	STEVE	1952
KC5 K2		VIRGINIA STEVE		KN6		JIM				CHUCK DAVID	3355 2327	WN3 VAW KB6 VBL	RON JOHN	2981 3057
K9		TIM				RICK	3405	1		ALAN	3332	N5 VC	VIC	2311
	_							,				,		

	S CW CL	UB		Me	mbership	Roster	r 7	7/2/97					
W4 VC	HAL	2370	N9 WC	GREG	1717	KD1 :	ΧA	JON	2089	KT4	VV	ROGER	2418
KB0 VCC	DALE	3172	W8 WC	BILL	2371	KJ5		BUD	3309	AA8		CARL	2500
кз VE	STEVE	3383	N2 WCR	JOHN ·	1461	N5		CARL	2520	AA0		MARK	2948
N4 VEF	DICK	1215	KE4 WCW	MARTY	2019	KJ5		TONY	2102	N9			2511
N1 VEG		2546	KK6 WD	JIM	0751	AA0		MARSHALL	1791		YYY		
AAO VF	BOB	3473	K1 WD	WILLIAM/G		AAO		JAMES	1978	WA.	111		1900
WB4 VFN	RICHARD	1458	N8 WDH	CHUCK	1258	N2				2 77 5		FISTS A.	
AA2 VG	PETER	2530	KB8 WDX	WALT	2792	N3 2		CARL	3271	AF5		BOB	2035
VE3 VGK		2535	KP4 WE	RUBEN	2615			CHIP	2645	K06		HERB	2343
KC5 VGQ		3445	AA5 WE	BOB	2660	KS4		JOHN	1965	NR2		MARTY	3015
KE3 VH	RALPH	2486	1			N7 2		DALE	3373		ZAA	JOHN	2950
KQ4 VH			W1 WEA	ED	3011	N7 2		FRED	2799	1	ZAC	JEFF	2048
	CARL	2552	WA3 WEE	RON	2324	AB5		MIKE	1910		ZAN	RALPH	1529
KK5 VI	WILBUR	2063	K7 WF	STU	1493	W8 X		GREG	1977	I	ZBB	$\mathtt{BET}\mathtt{TY}$	1265
KA7 VIA			N2 WF	BILL	2016	KD9 X		ED	2915	W4	ZC	JACK	2379
VE6 VIA			KG8 WF	VINCE	2460	AA7 X		HOWIE	3103	K9	ZCH	LARRY	1474
KC4 VIA		2970	W8 WFB	LEE	2326	N3 X		TOM	2627	KD4	$\mathbf{Z}\mathbf{D}$	LARRY	269 4
K4 VIZ	TOM	2423	W1 WFZ	TED	2366	N3 X		KELLI	2966	KA8	ZDL	CLARK	1766
KB3 VJF	RANDY	2374	AA2 WG	DIANE	1237	N2 2		LAURIE	3305	W5	ZDW	LEE	3285
КС5 VJU	JIM	2920	KF9 WG	TOM	2318	W3 X		"THE SUB"	1443	KB0	ZE	AUBREY	1289
K9 VKY	BRIAN	1212	AC4 WTH	$\mathtt{BIL}\mathbf{L}$	1729	KN6 3	XY	PATSY	3162	WA8	ZED	FOREST	3018
KC5 VLF	NATHAN	3041	WL7 WH	BOB	3420	N5 2		ALLEN	2635	AC4	ZH	DUANE	1709
WA2 VLW	CHUCK	2693	KK5 WH	DOUG	3449	NO 3	XZB	CRIS	2183	N4	ZH	TERRY	3397
AA8 VM	CAL	2472	WA5 WHN	JAY	3044	WA5		RUSS	1721	N2	ZHF	RANDY	2151
N4 VM	NORM:	2770	AC4 WI	LOUIS	1595	KC3 3	Y	BUCK	3369		ZJN	SAM	1989
KD6 VMY	ERNIE	3476	K4 WK	WAYNE	2775	NM8	Y	TIM	3404	KG8	ZK	CHARLES	2383
K4 VNQ	JIM	2913	N9 WKE	BRUCE	2345	VE3 Y	YAG	RICK	2422		ZKB	DAVE	3022
KE4 VOQ	NICK	3045	N1 WL	WES	2697	W9 3		CLUB STATION			ZLL	JERRY	3291
KR4 VQ	CARL	1274	N1 WLC	MIKE	3234			(SEE AD40S)	1.07	N4	ZMP	ORIN	3082
W8 VQ	LEN	2134	KE4 WLP	KERRY	2927	KC5 Y	YBA	KEITH	3096	KK5	ZN	MARK	2563
K5 VQN	GREER	2502	WO WM	PERCY	3216	N6 Y	YD	PETER	2762	NO	ZNC	MAX	2549
KB2 VQR	BARRY	2774	N1 WMB	DAVE	2522	AC6 Y	YD	PATRICK	3468	N9	ZNF	JERRY	1775
W8 VQV	BEN	2677	KA3 WMJ	KEN	1524	KA2 Y		JACK	1261	W8	ZNE		
WA2 VQV	RUSS	3179	KD6 WNM	CAL	2632	N2 Y		JOHN	2696			BILL	1023
KB2 VQW	KEN	3110	W6 WOW	PAUL	3198	K2 Y		NORMAN	2654	KB7	ZP	BOB	2478
W3 VQY	SKIP	3031	K2 WP	BILL	2608		YFC	WAYNE	2550		ZPL	DAN	1276
WAO VQY	ROBIN	3346	AA8 WP	LARRY	3384	KA4 Y		ВОВ	3161	KG8		JOHN	2419
AA8 VS	CHUCK	1434	N8 WPX	JOHN	3062	N3 Y		LOIS	3029			JERRY	3053
WA2 VSL	DON	1993	AC6 WQ	ROB	3462	N8 Y		EVERETT	1968		ZQR	DICK	1429
K2 VT	RANDY	2080	KB2 WQZ	BOB	2969	K1 Y		BOB	2625	AA0		JANE	2496
KJ6 VT	USS PAMANITO		KF8 WR	TED	1779	W3 Y		ART	1998	KJ5		TERRY	2584
1100 11	Sub. (Kalf)		K6 WS	EARLE	2466	AA2 Y		ERNIE	2751	K7	ZR	JACK	2656
AE4 VT	GARLAND	3203	AB6 WS	GINGER	2736	N2 Y		BILL	1577	W4	ZR	JIM	3013
KB5 VTB	LANNY	1970	WA3 WSJ	ED	1715	K4 Y		NORM	2166		ZRV	THERESA	2618
KB2 VTN	ELMAR	2112	N9 WSK	STEVE		AA8 Y		GARY	2155	AB5	ZS	SUE	3174
N3 VVE	MAGGIE	3424	W2 WSS	PETE	2588								2945
W7 VVW	DEAN		WZ WOO	Pr. IP.		I N 1 V	7T.7				ZSF	MICHAEL	
KB8 VVX		5 5 5			1279	N1 Y		BOB	3068	KB8	ZVD	WALT	2369
	JON	3133 2 4 9 4	N3 WST	BILL	3028	KB0 Y	MH	BOB ANDREW	3068 2789	KB8 WB8	ZVD ZWW	WALT WAYNE	2369 1243
KJ5 VW	JON GARY	2494	N3 WST K5 WTA	BILL BIL L	3028 159 4	KBO Y WA2 Y	YMH YMW	BOB ANDREW BILL	3068 2789 2738	KB8 WB8 N8	ZVD ZWW ZXB	WALT WAYNE JOHN	2369 1243 2562
KJ5 VW N1 VWD	GARY	2 494 3192、	N3 WST K5 WTA KB7 WTC	BILL BILL GEORGE	3028 159 4 1951	KBO Y WA2 Y W8 Y	MMY YMY YNY	BOB ANDREW BILL WILLIE	3068 2789 2738 3392	KB8 WB8 N8 KA2	ZVD ZWW ZXB ZXX	WALT WAYNE JOHN BOB	2369 1243 2562 2742
N1 VWD	GARY BRAD	2 494 3192、 2 44 6	N3 WST K5 WTA KB7 WTC KC5 WUM	BILL BILL GEORGE BETTY	3028 159 4 1951 3258	KBO Y WA2 Y W8 Y AA8 Y	YMH YMW YNY YO	BOB ANDREW BILL WILLIE BOB	3068 2789 2738 3392 3056	KB8 WB8 N8 KA2 KI7	ZVD ZWW ZXB ZXX ZY	WALT WAYNE JOHN BOB PHIL	2369 1243 2562 2742 1949
N1 VWD KS4 VX	GARY BRAD ROGER	2494 3192、 2446 2041	N3 WST K5 WTA KB7 WTC KC5 WUM KC5 WUS	BILL BILL GEORGE BETTY JIM	3028 1594 1951 3258 3439	KBO Y WA2 Y W8 Y AA8 Y WB2 Y	YMH YMW YNY YO YOP	BOB ANDREW BILL WILLIE BOB STELLA	3068 2789 2738 3392 3056 2597	KB8 WB8 N8 KA2 KI7 KA1	ZVD ZWW ZXB ZXX ZY ZYH	WALT WAYNE JOHN BOB PHIL DAN	2369 1243 2562 2742 1949 2529
N1 VWD KS4 VX KR4 VY	GARY BRAD ROGER KEITH	2494 3192 2446 2041 2405	N3 WST K5 WTA KB7 WTC KC5 WUM KC5 WUS N4 WUW	BILL BILL GEORGE BETTY JIM CHUCK	3028 1594 1951 3258 3439 2622	KBO Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y	YMH YMW YNY YO YOP YP	BOB ANDREW BILL WILLIE BOB STELLA VERN	3068 2789 2738 3392 3056 2597 1731	KB8 WB8 N8 KA2 KI7 KA1 W4	ZVD ZWW ZXB ZXX ZY ZYH ZYH	WALT WAYNE JOHN BOB PHIL DAN DON	2369 1243 2562 2742 1949 2529 3381
N1 VWD KS4 VX KR4 VY KC5 VYE	GARY BRAD ROGER KEITH RICH	2494 3192、 2446 2041 2405 3050	N3 WST K5 WTA KB7 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO	BILL BILL GEORGE BETTY JIM CHUCK TOM	3028 1594 1951 3258 3439 2622 3001	KB0 Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y WA6 Y	CMH CMW CNY CO COP CP CPE	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL	3068 2789 2738 3392 3056 2597 1731 2096	KB8 WB8 N8 KA2 KI7 KA1 W4 K7	ZVD ZWW ZXB ZXX ZY ZYH ZYH ZYT	WALT WAYNE JOHN BOB PHIL DAN DON CARL	2369 1243 2562 2742 1949 2529 3381 3426
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW	GARY BRAD ROGER KEITH RICH MARY	2494 3192、 2446 2041 2405 3050 2090	N3 WST K5 WTA KB7 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS	3028 1594 1951 3258 3439 2622 3001 1758	WA2 Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y WA6 Y WA2 Y	CMH CMW CNY CO COP CP CPE CPL	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE	3068 2789 2738 3392 3056 2597 1731 2096 1997	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYY	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY	2369 1243 2562 2742 1949 2529 3381 3426 2046
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ	GARY BRAD ROGER KEITH RICH MARY HARVEY	2494 3192 2446 2041 2405 3050 2090 1943	N3 WST K5 WTA KB7 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN	3028 1594 1951 3258 3439 2622 3001 1758 2002	WA2 Y WA2 Y WA8 Y AA8 Y WB2 Y AB6 Y WA6 Y WA2 Y	YMH YMW YNY YO YO YOP YPE YPL YPN	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYY ZYY	WALT WAYNE JOHN BOB PHIL DAN DON CARL	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT	2494 3192、 2446 2041 2405 3050 2090 1943 3182	N3 WST K5 WTA KB7 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475	KB0 Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N3 Y	MH MW MY O O O O O O O O O O O O O O O O O O	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYV ZYY ZZD ZZQ	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB	2369 1243 2562 2742 1949 2529 3381 3426 2046
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN	2494 3192、 2446 2041 2405 3050 2090 1943 3182 3307	N3 WST K5 WTA KB7 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699	KB0 Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N3 Y	MH MM MY O O O O O O O O O O O O O O O O O	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYV ZYY ZZD ZZQ	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT	2494 3192、 2446 2041 2405 3050 2090 1943 3182 3307 2339	N3 WST K5 WTA KB7 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213	KB0 Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N3 Y KK5 Y	MH MW MY O O O O O O O O O O O O O O O O O O	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYY ZZY ZZQ ZZQ	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054 1995 2666
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 2339	N3 WST K5 WTA K87 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941	KB0 Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N2 Y KK5 Y KB8 Y	MH MW MY O O O O O O O O O O O O O O O O O O	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYY ZZY ZZQ ZZQ	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054 1995 2666
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 2339 3358	N3 WST K5 WTA K87 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719	KB0 Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N2 Y KK5 Y KK8 Y	MH MW MY O O O O O O O O O O O O O O O O O O	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2914	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYY ZZD ZZQ ZZZ	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054 1995 2666
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 2339 3358 1284	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733	KB0 Y WA2 Y W8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N3 Y KK5 Y KK8 Y KR4 Y	TMH TMW TNY TO TO TO TP TPE TPE TPM TPW TQJ TR TRB TS	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2914 2670	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYY ZZD ZZQ ZZZ	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054 1995 2666
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR WZ0 W AC8 W	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT CHUCK SLEET STAN	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 3358 1284 1454	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU K4 WZ	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE RON	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109	KB0 Y WA2 Y W8 Y AA8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N3 Y KK5 Y KK8 Y KR4 Y WA7 Y	MH MW MY MY MO	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506	KB8 WB8 N8 KA2 K17 KA1 W4 K7 KB8 N9 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYY ZYV ZYV ZZD ZZZ VK,	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054 1995 2666
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR WZ0 W AC8 W KP3 W	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET STAN JOSE	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 3358 1284 1454 1706	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU K4 WZ AA0 WZ	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109 2685	KB0 Y WA2 Y W8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N3 Y KK5 Y KK8 Y KR4 Y WA7 Y K4 Y	MH MW MY O O O O O O O O O O O O O O O O O O	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC DEACON	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506 1935	KB8 WB8 N8 KA2 K17 KA1 W4 K7 KB8 N9 KB8	ZVD ZWW ZXB ZXX ZY ZYH ZYY ZYV ZYV ZZD ZZZ VK,	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054 1995 2666 -ASIA
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR WZ0 W AC8 W KP3 W AE4 W	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET STAN JOSE GUNNAR	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 2339 3358 1284 1454 1706 2068	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU K4 WZ AA0 WZ ND9 X	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE RON BOB FRANK	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109 2685 1012	KB0 Y WA2 Y W8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N3 Y KK5 Y KK8 Y KR4 Y WA7 Y K4 Y K5 Y	CMH CMW CNY CO COP CP CPE CPL CPN CPW CQ CQ CR CSU CSU CTB	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC DEACON HARV	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506 1935 3253	KB8 WB8 N8 KA2 K17 KA1 W4 K7 KB8 N9 KB8 N4	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYV ZZZD ZZZ VK,	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC NICK WOLF	2369 1243 2562 2742 1949 2529 3381 3426 2054 1995 2666 -ASIA CA
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W20 W AC8 W KP3 W AE4 W	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET STAN JOSE GUNNAR BILL	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 3358 1284 1454 1706 2068 3148	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU K4 WZ AA0 WZ ND9 X NV1 X	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE RON BOB FRANK BOB	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109 2685 1012 1535	KB0 Y WA2 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y KK5 Y KK8 Y KR4 Y WA7 Y K4 Y K5 Y K14 Y	CMH CMW CNY CO COP CP CPE CPL CPN CPW CQI CRB CSU CTB	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC DEACON HARV BOB	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506 1935 3253 2647	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8 N4 U1	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYV ZZZ ZZZ VK, AAL ABH ABV	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC NICK WOLF JOAN	2369 1243 2562 2742 1949 2529 3381 3426 2054 1995 2666 -ASIA CA
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK WZ0 W WZ0 W AC8 W KP3 W AE4 W WF6 W KB9 W	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET STAN JOSE GUNNAR BILL DAN	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 2339 3358 1284 1454 1706 2068 3148 3262	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU K4 WZ AAO WZ ND9 X NV1 X NW8 X	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE RON BOB FRANK	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109 2685 1012	KB0 Y WA2 Y W8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N2 Y KK5 Y KK8 Y KK4 Y WA7 Y K4 Y K5 Y K64 Y	CMH CMW CNY CO COP CP CPE CPL CPN CPW CQJ CRB CS CSU CTB	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC DEACON HARV BOB GEO	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506 1935 3253 2647 2667	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8 N4 LU1 Y03	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZYZ ZZZ ZZZ VK, AAL ABH ABV AC	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC NICK WOLF JOAN ANDY	2369 1243 2562 2742 1949 2529 3381 3426 2054 1995 2666 -ASIA CA
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR WZO AC8 W KP3 W AC8 W KP3 W KB9 W KB9 W	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET STAN JOSE GUNNAR BILL DAN ROD	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 3358 1284 1706 2068 3148 3262 3303	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU K4 WZ AA0 WZ ND9 X NV1 X	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE RON BOB FRANK BOB	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109 2685 1012 1535 1540 1933	KB0 Y WA2 Y W8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N2 Y KK5 Y KK8 Y KK4 Y K4 Y K5 Y K14 Y K64 Y K64 Y	CMH CMW CNY CO COP CP CPE CPL CPN CPW CQJ CRB CS CSE CSU CTB	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC DEACON HARV BOB GEO DENIS	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506 1935 3253 2647 2667 2021	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8 N4 LU1 Y03 2W0	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZZY ZZZ ZZZ VK, AAL ABH ABV AC ACD	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC NICK WOLF JOAN ANDY PHIL	2369 1243 2562 2742 1949 2529 3381 3426 2054 1995 2666 -ASIA CA
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR WZ0	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET STAN JOSE GUNNAR BILL DAN ROD BRAD	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 3358 1284 1706 2068 3148 3262 3303 3413	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU K4 WZ AAO WZ ND9 X NV1 X NW8 X KR7 X AD5 X	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE RON BOB FRANK BOB RICH	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109 2685 1012 1535 1540	KB0 Y WA2 Y W8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N2 Y KK5 Y KK8 Y KK4 Y K4 Y K64 Y K64 Y K64 Y K64 Y K64 Y K64 Y K64 Y	CMH CMW CNY CO COP CP CPE CPL CPN CPW CQJ CR CSE CSE CSU CTB CV CV CX	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC DEACON HARV BOB GEO DENIS GEORGE	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506 1935 3253 2647 2667 2021 2351	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8 N4 LU1 Y03 2W0 G0	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZZY ZZZ ZZZ VK, AAL ABH ABV AC ACD AEC	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC NICK WOLF JOAN ANDY PHIL ESDE	2369 1243 2562 2742 1949 2529 3381 3426 2054 1995 2666 -ASIA CA
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR WZO WC6 W WF6 W WF6 W KB9 W KB9 W KC5 W WG8 W KZ5 W N1 WC	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET STAN JOSE GUNNAR BILL DAN ROD BRAD WES	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 2339 2339 3358 1284 1454 1706 2068 3148 3262 3303 3413 1509	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYO WB8 WYO ND9 X NV1 X NW8 X KR7 X AD5 X KN2 X	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE RON BOB FRANK BOB RICH HANK	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109 2685 1012 1535 1540 1933	KB0 Y WA2 Y W8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N2 Y KK5 Y KK8 Y KK4 Y K4 Y K5 Y K14 Y K64 Y K64 Y	CMH CMW CNY CO COP CP CPE CPL CPN CPW CQJ CR CSE CSE CSU CTB CV CV CX	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC DEACON HARV BOB GEO DENIS GEORGE LAURIE	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506 1935 3253 2647 2021 2351 2352	KB8 WB8 N8 KA2 K17 KA1 W4 K7 KB8 N9 KB8 N4 TJ CA	ZVD ZWW ZXB ZXX ZY ZYH ZYT ZYV ZZY ZZQ ZZZ K-E VK, AAL ABH ABV AC ACD AEC AEF	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC NICK WOLF JOAN ANDY PHIL ESDE WALD	2369 1243 2562 2742 1949 2529 3381 3426 2046 2054 1995 2666 -ASIA CA
N1 VWD KS4 VX KR4 VY KC5 VYE N3 VYW K7 VZ AA7 VZ W4 VZB KC4 VZK KC4 VZK W9 VZR WZ0	GARY BRAD ROGER KEITH RICH MARY HARVEY ROBERT STAN MATT MATT CHUCK SLEET STAN JOSE GUNNAR BILL DAN ROD BRAD	2494 3192 2446 2041 2405 3050 2090 1943 3182 3307 2339 3358 1284 1706 2068 3148 3262 3303 3413	N3 WST K5 WTA K57 WTC KC5 WUM KC5 WUS N4 WUW KB0 WVO N1 WWI K3 WWP K7 WX KB2 WXH K8 WXQ KA7 WXY N8 WYO WB8 WYU K4 WZ AAO WZ ND9 X NV1 X NW8 X KR7 X AD5 X	BILL BILL GEORGE BETTY JIM CHUCK TOM CHRIS JOHN WARREN LOU AL WALLY AL JESSIE RON BOB FRANK BOB RICH HANK PHIL	3028 1594 1951 3258 3439 2622 3001 1758 2002 1475 2699 3213 1941 2719 2733 2109 2685 1012 1535 1540 1933 2905	KB0 Y WA2 Y W8 Y WB2 Y AB6 Y WA6 Y WA2 Y N9 Y N2 Y KK5 Y KK8 Y KK4 Y K4 Y K64 Y K64 Y K64 Y K64 Y K64 Y K64 Y K64 Y	CMH CMW CNY CO COP CP CPE CPE CPN CPW CQJ CR CSE CSE CSU CTB CV CV CX	BOB ANDREW BILL WILLIE BOB STELLA VERN BILL DEE ANTHONY FLOYD ERNIE ALVA JOE JEFF HANK ERIC DEACON HARV BOB GEO DENIS GEORGE	3068 2789 2738 3392 3056 2597 1731 2096 1997 2471 3281 1759 2594 1914 2670 2506 1935 3253 2647 2021 2351 3382	KB8 WB8 N8 KA2 KI7 KA1 W4 K7 KB8 N9 KB8 N4 LU1 Y03 2W0 G0	ZVD ZWW ZXB ZXX ZY ZYT ZYV ZYY ZZD ZZQ ZZZ ZZZ K-E VK, AAL ABH ABV AC ACD AEC AEF AF	WALT WAYNE JOHN BOB PHIL DAN DON CARL RAY ROGER ROB GEORGE UROPE ZL, JA, AFRIC NICK WOLF JOAN ANDY PHIL ESDE	2369 1243 2562 2742 1949 2529 3381 3426 2054 1995 2666 -ASIA CA

FISTS	CW CL	U B			Membe	ership l	Roste	er 7	/2/97				
MO AFJ	TIM	2824	G4	ВЈМ	FRASER	0044	I GO	DRT	PETER	0652	G4 GOI	JACK	1100
MO AGL	JIM	2857		BJR	HAL	0325		DUH	CUJRLY	1156	F6 GPA	HUGUES	2249
MO AGO	HARRY	2843		BLI	ALAN	1637	TF3		VILLI	1658	GO GPM	JOHN	0412
2EO AGQ	BRIAN	0990	DA2		BARRY (W1BJ)			DXB	BILL	0132	G3 GPZ	PETE	0613
UA3 AGW	DIMA	0729		BM	FRANK	2784		DYG	PETE	1182	GW0 GQC	BRIAN	0671
G0 AHJ	DEREK	0117		BNS	DICK	0532		DZF	JIM	0422	GO GSO	GEO	0266
G3 AHS	DAWSON	0265	G4	BNU	PAUL	2854		EBA	JAN	0827	GWO GSW	VICTOR	0042
2EO AIZ	TOM	1692	GW0	BOJ	HOWARD	0689		EBK	GEORGE	0804	GO GTN	JOHN	0638
9A2 AJ	TOM	2220	GB2	BP	MUSEUM	1890	1	EBW	DAVID	0421	G4 GUA	JOHN	0467
2E0 AJE	PAUL	1845	G0	BQV	MARY	0040	G3	ECS	KEN	1335	G3 GUR	JOHN	1819
ZS6 AJS	JOOP	2871	G3	BRR	JIM .	1063	GW0	EDC	BRIAN	0151	G4 GUW	GORDON	0857
SV2 AJX	PACO	0771	ZF8	BS	BRUCE (N6NT	3325	G0	EEJ	ALICE	0710	GWO GUY	ELWYN	1685
M 0 AKA	GORDON	2832	G3	BSK	MAX	1666	G4	EEM	BOB	0724	G0 GVC	PETER	1096
G2 AKK	BILL	0002	EI9		DERMOT	0015	2W1	EEO	DENIS	1889	GO GWD	ALAN	0817
MO AKN	GORDON	2870	GM0	BUH	ALEX	0076	DK8	EF	FRANZ	1837	DL2 GWL	ULF	2284
MMO AKW	NEVILLE	2281	1	BUR	ROY	0523	G4	EIB	JIM	0372	DF3 GX	KLAUS	0600
ZS6 AL	VIDI	1699		BUS	REG	1834		ELH	BOB	1397	G3 GXQ	WALTER	0947
MO ALD	JOHN	2808		BWG	JOHN	0238	DF4		DIDI	0737	G4 GYD	MIKE	1352
GO ALH	STAN	1671		BWJ	BARRIE	1378	S53		MIL	1098	G0 GYY	PETER	1601
2EO ALN	DAVE	1858	LA3		TED	2820	1	BRV	SHIRLEY	0107	GO GZK	LAURIE	0554
MO ALO	DON	2839	4	BXV	DAVE	0261	i .	BTJ	REG	1394	GO HAU	TED	0277
2EO ALQ	PETER	2283	LY3		VILMAS	1811		EUD	CHARLIE	0067	G3 HBN	JIMMY	1199
2MO ALU	JIM	1844		BYG	JIM	0089		EVV	DAVID	0550	OK2 HBR	ZDNEK	2812
2W0 AMB 2E0 AMK	JOHN	2217		BYX BZZ	DES	0581	1	EYY	ROY	2826	GWO HCB	PAUL	0528
G3 AMO	DERRICK JOHN	1860 2848	l.		LUTZ	1640	1	FAA	JENNY	2236	GI3 HCP	DES	1311
UAO AMW	GEORGE	0836	1	CBG CBK	ROY	0161	1	FAI	TONY	0029	GO HDE	CHAS	0845
ON4 ANE	BERT	0435		CEK	MARTIN FRED	2858 0334	EI2	FBY	LIAM ROD	1197 2273	GO HDI	BRIAN	0620
MO ANI	VIC	2291	3B8		JACKIE	0951	1	FCO	WERNER	1183	G3 HEL GM3 HEN	JACK TONY	1663 0122
2E0 ANO	ALAN	2269		CGT	BRIAN	0702		FDJ	KEITH	1348	GO HFI	GORDON	0609
MO ANQ	JIM	2842		CHV	MIKE	0090		FDM	JERRY	0832	GO HGA	ANGIE	0009
GO ANY	DARYL	2270		CIJ	MIKE	0663	4	FDM	FRITZ	2225	GO HGG	GORDON	0930
ZL2 AOH	RALPH	1073		CMY	TONY	1626		FEQ	RENE	1670	GO HHL	PHIL	0429
GO AOL	GILL	0280		COX	PANOS	1809	1	FFD	DAN	1149	GO HIN	TOM '	
2E0 AOR	MARK	2250		COY	JOHN	1833		FFE	FRANZ	2280	GO HIS	DAVE	1071
2 E 0 AOZ	IAN	2841		CPA	GEOFF	1644	1	FGT	JUL	1051	EI5 HJ	GERRY	1079
EA1 APA	FRAN	2818	2E1	CQL	RAYMOND	2873	G0	FGW	RON	0433	GO HJX	PETER	0819
MO APC	MICHAEL	2838	PA3	CQR	FOLKERT	2850	G0	FIP	ELLA	0215	GIO HKS	\mathtt{BILL}	1876
MO APY	RICHARD	2804	GI4	CRQ	KEN	1064	UT9	FJ	SAM	0618	G2 HKU	TED	0841
G3 AQF	HARRY	2869		CSC	SAM	0339	G4	FJC	RICHARD	0988	GO HLG	GORDON	0488
UA4 AQO	SERGE	1180	2E1	CSR	GEOFF	1830	G4	FMH	$\mathbf{BIL}\mathbf{L}$	0996	GM0 HLP	IAIN	0535
SP7 AQR	STAN	1321		CUV	JOHN	1664	4	FOD	NEV	0308	GI3 HNM	CLIFF	1379
MO ARM	LES	2822	1	CVH	VINCE	0048	4	FPV	IAN	0946	LA3 HO	MIKE	2821
PA3 ASC	MIKE	2260	EW6		VAL	1338	•	FPY	ERIC	1331	ZS6 HR	REON	1697
G3 ASG	RAY	2272	EIO		BREN	0632		FRL	BOB	0390	GO HRL	GERALD	0975
MO ASU	KARL	2827		CZC	LEONCE	1371	1	FTU	ROY	0502	EI6 HS	PAUL	1313
DL7 ATL	MANFRED	0418		DAC	ALAN	0024	RB5		GENE	0792	G4 HSC	HARRY	1192
GO ATR	MIKE	1854		DAF DAL	JIM	0795		FUS	PAUL	0110	G3 HSP	ALEC	2218
GO ATS MWO AUH	ELAINE JACK	0331 2802		DBU	DAVE ERIC	0075 1310		FVS FWE	JIM JORDI	0628 1846	IK2 HSW G0 HTX	HENRY TONY	1388 0139
G3 AVL	BOB	0931		DCM	ARTHUR	0288		FXN	ART	0127	GM3 HVT	JIM	1628
MO AWB	TONY	2805		DCO	BRIAN	2856	EI5		BILL	0846	GO HXU	SIMON	0010
G1 AWJ	JOHN	1195		DDI	PHIL	0631		GBG	PAUL	0637	GWO HYC	BEN	0485
GWO AWN	HARRY	2221		DEB	DAVE	0380	1	GBX	WANDA	0514	GM4 HYF	GEORGE	0243
GO AXE	MIKE	0361		DGH	ULI	1874		GCB	PETER	0657	GO HYT	PATRICK	0220
7J1 AYH	ERIC KC5JEV			DHZ	PETE	0980		GFG	MARK	0113	G3 HZL	DON	0410
ZR6 AYS	GREG	1800		DIX	RON	0740		GFQ	RON	0894	GO IAL	ROD	0348
9HI AZ	GAET	1689		DJA	DAVE	1372	GM3		GEORGE	1154	G4 IAV	вов	1140
G0 AZH	JERRY	2862		DJI	DANNY	0312	1	GGE	PETER	0700	G8 IB	DUG	0882
LY3 BA	GEDAS	0984		DKW	JIM	0639		GGU	STEVE	0491	LA1 IE	OTTO	0249
GM4 BAE	GERRY	0683		DNB	BILL	0058		GJN	JEURG	0948	G0 IFM	COLIN	0728
ON4 BBA	JEMPI	1849		DNC	GEOFF	0071		GJR	ARTHUR	2271	G0 IFT	PETER	1194
GI4 BBE	REG	1188	G3	DOT	JOHN	0718	G4	GJY	SID	1667	G0 IFX	BRIAN	0471
GD0 BCM	WALTER	0870	G3	DOV	DEREK	0175		GKE	LES	0197	GM0 IGJ	JEFF	1356
ZR6 BDW	BEN	1695		DPH	GRAHAM	2294	1	GKH	DAVE	0034	G0 IGP	TONY	0129
GIO BEY	SCOTTY	1184	VK7		JERRY	0957	DF3		KLAUS	1636	GW4 IGQ	REG	0086
GO BGI	STAN	0736	ZS5		DON	1802	JA3		BEN	1869	EI2 IH	HUGH	2212
PA3 BHK				DRA	ACI	1077		GOD	RILEY	0847	G0 IJE	DON	0509
PA3 BJD	BRAM	1848	SM7	DRH	CLEM	0973	G0	GOD	JOHN	1604	GO ILN	RICHARD	0398
										_			

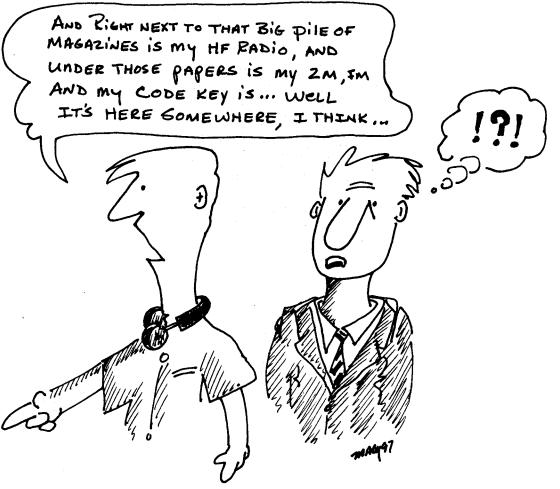
FIST	S CW C	LUB		Mer	mbership l	Roster	7/2/97				
G0 IMF	ALF	0427	ON5 KK	GEERT	1836	GO ME	EX HARRY	2245	G0 o	NS JIM	0741
G3 INA	RON	0097	GO KKL	PHIL	1859	GM0 ME		0603	GWO O		0591
G3 ING	JOHN	1674	G0 KKX		0466	G0 M0	GD DENNIS	0630	G0 0	OOD TIM	1350
G4 INM	TOM	0084	G4 KLF	TONY	1198	G7 MC		2867	GX0 O		1000
G0 IOF	GRAHAM	0231	G4 KLQ		1843	G0 MI		1677	G4 O		0812
GO IOV	GORDON	1147	GO KLS	RON	1336	GO M		1357	GWO O		2852
GW4 IQA G0 IRL	REG	1116	G3 KMG		0124	G3 M3		1893	G0 0		0963
GO IRL	AUDREY DEREK	0510 0123	GM0 KMG G0 KMU	BILL JOAN	0484 0786	GO MI		1390	G0 0		0852
G3 IRM	PETER	1092	GO KNJ		0463	GO MI		0606 1091	G4 O		0579 1178
G0 IRO	BRYAN	1823	GO KPB	TONY	0512	G4 MI		0130	G4 O		0028
GWO IRP	COLIN	0690	G4 KQM	BOB	2211	GI3 MN		1613	G0 0		0888
GO ISC	RENIE	0610	G3 KQN	JACK	0699	ON6 MI		1826	GO O		1368
G4 IST	BILL	0991	G0 KRT	ERIC	0133	GO MC		0668	G0 0		0822
G0 ITS	ROY	0498	G3 KTT	ALAN	1308	HA2 ME	P JANOS	0899	G4 P	CE RICH	1693
GW4 IUN	RON	2835	G3 KUL	DOUG	0840	G0 MF		1327	GIO P	CU DAVID	0831
G3 IVF	SMUDGE	1614	GW4 KUS	BERT	0856	G0 MF		0586	GI4 P	CY FRED	0156
G4 IXI	TREVOR	1141	G3 KVE	KEN	2235	G4 MS		0357	GO P		1343
G4 IXL	BOB	0165	GO KWD	KEITH	0525	DL8 MI		2200	GO P		1657
GO IZU GO IZW	MIKE DEREK	0809 1302	G3 KWO G4 KXG	KEN	0006 0938	G0 M1		0873	G3 P		1303
ZS6 JAN	JAN	1698	GO KYC	KEN ALAN	0513	G0 MV		0760 1160	GMO P		2847
GO JBP	ROBIN	0205	GO KZA		0738	G3 MV		1151	G4 P		0950 22 4 2
GO JBQ		0204	GWO KZK		2288	GO MV		0701	G3 P		0257
UA6 JD	VLAD	1385	G4 KZZ	NIGEL	1821	G8 MY		2274	G7 P		1624
G4 JEG	\mathtt{BILL}	2254	F5 LAW	YANN	0752	GW0 MY		2853	GWO P		1106
GW3 JEZ	BOB	0364	GO LBT	KEN	1897	GO MY	YZ MARIAN	0636	GWO P		1053
G0 JFD	GRAHAM	0477	G4 LGA	DON	0642	G4 M2	ZS TOM	0150	GO P	OJ JUDY	0883
G4 JHZ	LES	1322	G0 LGF	TERRY	1817	OH2 NA		2811	G3 P		0977
G0 JI T	DICK	1136	GM3 LGM	BILL	0564	DL2 NA		2803	GWO P		2285
G4 JIZ	JESSE	0179	G4 LHI	PETER	2219	UA4 NA		0842	GO P		1639
GO JJQ	WAYNE	0851 1132	GW3 LHK		1125	G4 NE		2297	G4 P		0244
G4 JKW G0 JLQ	ALAN CHAS	0622	GO LHZ	JIM BRIAN	1155 1370	G3 NC		0168	G1 P		1375
GO JLX	ANDY	0358	G4 LIM	GEOFF	1652	GO NE		0653 0755	G4 P G4 P		0134 0634
G3 JMZ	JOCK	2865	GMO LIR	PIP	0942	YO4 NE		1330	GO P		1676
UU4 JN	ALEX	0678	GO LIU	GEORGE	0816	G4 NI		1121	GO P		1179
G0 JNR	SHANE	1396	GO LJB	PAUL	0493	G16 N1		1612	GW3 P		1315
SP6 JOE	JOE	0764	G4 LJU	COLIN	0099	IN3 NJ	JB BOB	1317	G4 P		0837
G0 JOH	NIGEL	2282	GO LLN	PETER	1871	IKO NK		1052	G4 P		0032
G0 JON	JOHN	0774	GM0 LOA	JOHN	0121	GO NE		0862	G4 P		1062
IK7 JPJ	WALTER	1349	GO LOE	STUART	0625	GWO NI		0983	GO P		1072
G3 JPZ	IAN	1347	GO LPF	RICHARD	0960	GO NN		1386	G4 P		0723
G4 JRE G0 JRN	JOHN ART	0577 0295	G3 LPS G0 LQX	ERIC TREVOR	1398 0425	G3 NN		2815	GIO P		1656
GO JRT	TOM	0745	G3 LRB	STEVE	1171	GO NN		0478 0785	GO P		0876 0979
G3 JTO	ERIC	0766	GO LRE		0750	GI3 NO		0945	GW4 P		0160
G3 JTS	TOM	1681	G3 LRP	PETER	1672	F5 NC	-	1816	GMO P		1057
F5 JUD	AL	0697	GO LSH	ALAN	0508	GO NS		1606	17 P		1342
UA6 JW	HARRY	0820	G4 LSI	JOHN	0368	zse ni	r dwight	1805	GW0 P	ZS TREFOR	0976
GO JWB	\mathtt{BILL}	0385	GO LSY		0196	G7 N1		1899	G6 Q		2864
G0 JXS	CLARRY	0506	GWO LTH		2226	F5 NT		2275	DK7 Q	•	0362
G3 JXT	TED	1603	G3 LUZ	FRED	0444	GO NI		0264	SP2 Q		2801
L21 JZ G4 JZM	TONY CHARLES	1318 1688	G0 LVB G5 LW	MALCOLM ALEC	1175 0682	GO NU		0796	G4 R		0174
GO JZU	ROSS	0679	GO LWI	FRANK	0901	GO NV		0704 1316	G0 R G0 R		1687 1054
DL8 KAZ	DIETER	0593	G7 LWJ	COLIN	2240	TIS NW			UB5 R		0936
G0 KCA	JOHN	0200	G3 LWU	DERRICK	1608	G4 NX	•	1104	G3 R		1168
G0 KCJ	ALAN	0602	G0 LYY		0696	GO NY		0982	G4 R		0186
ZS5 KD	\mathtt{BILL}	1801	GO LZA		0833	GO NZ		0773	DJ3 R		1894
927 KDJ	KLAUS	2851	GO LZL		0587	G4 N2	ZU RON	0309	GO R		0895
G3 KEF	MOT	1839	S51 M	BRUNO	2243	GM3 OA		0562	GO R		1164
G4 KEW	BOB	0275	G3 MAM		0497	GO OE		1615	G3 R		2216
GW4 KFD	BARRIE	1616	GWO MAP	BOB	0935	DL3 OC		2201	G4 R		0229
GO KHI	BILL	0706	GO MCE	BOB	2829	G7 OC		1648	G3 R		1662
15 KHX G0 KHY	DANIELE JOHN	1885 0487	G3 MCK G0 MCV		0230 0555	DF8 OF G4 OH		0949	G4 R		2238
SM7 KJH	CHRIS	0017	ZS6 ME	ERIC	2809	GW3 OK		0455 2268	GO R GO R		1134 0981
G4 KJJ	JOHN	1630	GO MEG		0518	GO OK		0780			1879
					5510	, 55 51		3,30	, J. A	001114	1019

F	STS	S CW CI	LUB			Me	mbership l	Roste	er 7	1/2/97					
	RHR	KEN	2248	1	TCF	PETER	1340	GW0	UWM	JOHN	1810		WIH	MIKE	2807
	RHU	MALC	2810	1	TCJ	DOUG	1346	1	UXK	PAT	1622		WII	FRED	0559
G0	RIQ RJV	DOUG GEORGE	2255		TEB	CHRIS	1675	1	UYK	JOSEPH	1324		WJO	PETER	1846
ZS5		ROD	0428 1804		TFK TFV	LES	1641	1	UYP	ROGER	2849	1	WKG	ROB	0079
G0	RKT	DAVID	1066		TGF	TERY JIM	1177 1621		UYP UZH	ROGER STEPHEN	28 4 0 1829	1	WKJ WLC	CHRIS	2239
ON6		GUIDO	1080	3	TGU	BILL	1329	,	UZQ	PETER	1691	3	MIX	BRIAN ALAN	2205 2208
	RLW	ALAN	0902		THA	PETE	1174	3	VAO	DENNIS	2819	1	WMC	PETER	2279
IK2	RMZ	MARTIN	0853	1	THV	JOHN	1374	1	VAT	TONY	1895		WMR	RED ROSE G	
G0	ROT	MIKE	1056	G0	THX	VIC	1634	GW1	VAW	BRIAN	0420		WMW	DOUG	2813
OK1		PETR	2833		TIP	GEORGE	0940	G4	VBB	GRAHAM	2267	G4	WNA	TONY	0598
G4	RQA	TOM	0036	1	TKT	PETER	1126		VBH	BILL	2252	•	WNB	SID	1892
ZS5	RRF	ROSE	1803		TKX	ARTHUR	1668	1	VBT	HOWARD	1682		WNI	BILL	0413
	RSA	PETER JOHN	2836 2244	1	TLF TMX	FRED TERRY	1853 1862	ī	VCQ VCW	JIM	2299		WNW	BOB	2800
	RSF	ALAN	1877	1		NORMAN	1653	1	VCY	RICHARD PHILIP	18 4 2 2277		WP WPK	JACK BOB	0310 1870
	RSK	GORDON	0030		TNY	TONY	1669		VD	BERNARD	1617		WPM	NICK	1886
G0	RSN	RICHARD	0869	1	TOW	KEITH	0898	DL1		KLAUS	2823	VK3		MARLENE	1359
G3	RSP	ALAN	1847	G0	TRO	NESS	1323	G0	VDI	JOHN	1840		WRR	JOHN	2276
	RSU	GEOFF	1150		TRU	HARRY	2233	G3	\mathbf{VDL}	JOHN	0549	G0	WSL	JOHN	2295
G7	RTI	KLAUS	1325		TTH	TEX	0995	1	VEB	BROOK	0952	ZS1		WILF	1694
	RTN	GERARD	2234		TUA		3MMQ3030	1	VFF	STEPHEN	1872	ZS1		WILF	1694
	RVO RVW	DAVID STEVE	1102 1850		TUE TUJ	RAYMOND WALT	1191 1139	1	VFM	TONY	1808	1	WTD	DIETER	1068
	RWP	EDI	0286	1	TUX	CHRIS	139	1	VFV VGF	BOB DAVE	1684 1852	1	WTD WTO	COLIN ELAINE	1841 2259
	RWQ	NIGEL	1619	1	TVI	ROD	0747	1	VGR	PETER	2289	ı	WUY	ALEX	2834
GW3		CHAS	0345	1	TWN	DAVID	1334	1	VGV	ANDY	1654		WW	PAUL	1345
G0	SBH	TED	1655	G0	TZV	GORDON	1392	G4	VIJ	\mathtt{BILL}	0807	G4	WWQ	DAVE	1056
G0	SDA	COLIN	1172	1	TZW	JOHN	1332	1	TIV	BILL	1665	G3	WWT	JOHN	1114
	SDO	DAVE	2861		TZZ	ANTHEA	2298	1	VIY	JON	1631	1	WWT	PETER	1891
G0 F5	SED SEE	GEORGE JACK	1867 2237	1	UBE UCJ	JOHN SEAN	0934 2860	4	VIZ VJJ	NICOLA	1659		WYV	ALEX	1813
	SEF	DAVE	1129		UCK	BARRY	1344	1	VJK	STAN MIKE	1824 16 4 7	OZ9	WZ XAE	KNUD MIKE	22 4 6 2293
	SFO	KAY	1105		UCQ	PHIL	1319		VKL	ROD	1864	1	XAH	DAVID '	2222
	SFV	DAVE	1161	1	UDX	WOLF	1181	1	VL	IAIN	0890	1 .	XCF	COLIN	2296
GW0	SGG	BILL	1602	ON5	UE	DANNY	1825	G0	VLC	ANDREW	2251	GI4	XFS	LYN	0464
	SJC	CLIFF	1391		UER	CYRIL	2232	1	VLU	EDDIE	2213	1	XHE	RICHARD	1365
G3	SJE	JOHN	0391	1	UEW	DAVE	0584	1	VLY	PHIL	1865	1	XHL	NOEL	1354
	SJU SKN	SAM DENIS	1 18 5 2817		UFF UFT	ROY	1382 1650	1	VLY	PHIL	1865 2257	1	XHZ	FRANK	0008
	SKR	JOHN	1115		UGB	KEV RICHARD	2830	1	VMI VMV	BRIAN RAY	0402		XJU XMM	LAURIE TOM	0153 1395
G0	SLJ	DENIS	1838	I '	UGZ	LEN	1353	1	VNG	DAVE	1097	1	XOC	PETER	1645
GM0	SMT	ALLAN	1610	1	UHJ	BILL	1868	1	VOJ	ART	0007	1	XPE	MIKE	0100
GM4	SMZ	DAVID	2256	JA7	UHM	MASA	0018	G5	VQ	ERIC	1679	GW4	ХQН	JOHN	0576
	SNE	ANNE	1123		UHM	STEVE	0304		VQA	JULIAN	2207		XUZ	RAY	0777
	500	HAROLD	0767		UIP	-??	1878		VQO	LES	0874		ΧV	RON	0871
	SPK	ROBERT	1623 1399		UIW UJD	TONY	2868	UA3	VRP VS	VICTOR	1110 0267	YU1	XVE	JOHN	0342
	SPS SQD	STEVE TOM	2845		UKX	MERV RAY	1680 1618	1	VSS	GEORGE RAY	1812		XWV	BEN MAT	22 41 1660
	SQF	JOE	1384		UKZ	RAY	0148		VTI	TERRY	1807		XZM	DES	2806
	SRQ	GEORGE	0662		ULB	DON	1649		VTN	RON	1851	G4	YEP	TED	0020
	SSA	KEITH	1304		ULT	LES	0675		VUN	GLORIA	1620		YFD	FRANK	0486
	SSG	REG	1169		UMN	JOHN	1678		VVK	BERNARD	0838	1	YJB	RON	0601
	SSH	ROY	0999	•	UMT	DEN	1861	E .	VXY	DAVID	1099		YLB	JIM	0492
	STE	STEVE BILL	1875 1609	1	UOM UOP	NORMAN JOE	1369 1863		VYR VYX	NORMAN PETER	28 4 4 2214		YLL YLT	RON TOM	0282 0489
	STS	RONNIE	1661		UPS	PAUL	1651		VYY	BRIAN	0900		YMB	MALCOLM	0681
	SVX	IAN	2223		UPU	ROGER	1643		VZG	WILLIAM/K1WD			YNU	JOHN	0073
G0	SWT	LEN	1642	G0	UQE	BERT	1815	G9	VZV	DAVE	2286	G3	YRP	IAN	2825
	SWU	PETE	1389		UQP	GRANT	1383		WAO	PETER	2215	1	YRS	GERRY	1326
	SXE	JOHN	1101		URM	PETER	1632	1	WAS	ALAN	2828		YSX	STEWART	2872
	SXG	KEITH	1138		URS	FRED	1328		WAU	JILL	1690		YXJ	DANNY	1305
	SXZ SZE	JIM CHRISTINE	1339 1301		URX USC	DAVID JOHN	1351 1387		WAY WBN	BOB TREV	2292 0381		YYW YZO	DAVE JOHN	1600 2863
BV2		TONY	1884		USW	BILL	0405	1	WBT	JEAN	2855		ZDD	DEREK	1312
	TAW	IAN	1300		UTL	ALAN	1393		WES	WES	2231	HB9		FRANK	2859
	TBB	вов	1135		UTR	DAVID	1629		WFM	PETER	1880	G4	ZFT	MARY	1162
	TBD	TERRY	1163		UUA	WARWICK	1683		WGL	NOLLY		LA6		RUTH	1314
IK5	TBK	STEVE	2247	G4	UUV	PETER	0376	G0	WHP	JOHN	1898	G4	ZIB	TONY	0811

9

FISTS	S CW CL	UB
G3 ZJJ	MIKE	0274
G4 ZLX	KEN	2258
GW3 ZNN	WALLY	0964
G3 ZNR	DEREK	2816
G4 ZPY	GORDON	2278
DL1 ZQ	HANS	0313
G3 ZQS	GEO	0001
G3 ZRZ	IAN	0781
GM4 ZTO	JOHN	0695
G4 ZV L	HENRY	0538
G4 ZVR	TONY	0666
G3 ZWF	JOHN	1896
SWL'	s, Other Mi	sc.
Brian	SWL	0440
	SWL	1814
	SWL	1818
Di	SWL	1882
Brendan	SWL	2253
Ron	SWL	2290
James	No call	2787
Doug	No call	3035
Linea (Y	F of VY2RB)	3036

By ARME MACY THIS



RULE NO. 1, IF YOU'RE GONNA SHOW SOMEONE YOUR SHACK, MAKE SURE IT'S READY TO BE SEEN ...

FISTS CW CLUB, P.O. Box 47 Hadley MI 48440-0047

Have you checked your mailing label lately?? Your renewal due date is on the upper right corner of the mailing label.

ADDRESS SERVICE REQUESTED



Bulk Mail US POSTAGE PAID Permit 12 Hadley MI 48440