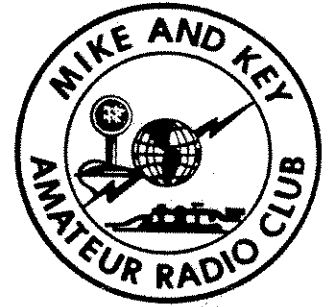
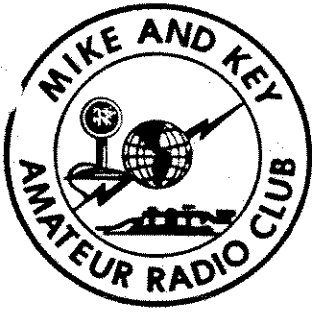


K7LED RELAY



The K7LED RELAY is the Official Publication of the MIKE and KEY AMATEUR RADIO CLUB, P.O. Box 2121, Kirkland, Wa 98033-2121. The club meets the third Saturday of each month at 9:30 AM in "The Tukwila Community Center", 4101 South 131st. Seattle, Wa. 98168. All "HAMS" invited. The Mike & Key Net meets each Wednesday evening at 1930 hr on 224.12 and 146.82-22 Mhz. The repeaters are linked. Your Check-in is welcome.

AN ARRL AFFILIATED CLUB LOCATED NEAR SEATTLE, WASHINGTON

VOLUME 18

MAY

1990

NUMBER 5

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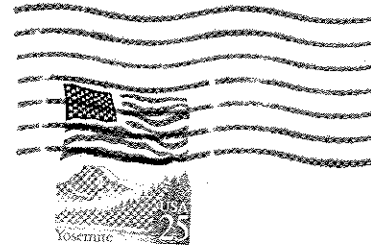
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RELAY DEADLINE 5 JUNE 1990



REPEATER FREQUENCY
52.05 - 53.05
146.22 - 146.82
224.12

BOARD MEETS

FIRST TUESDAY
OF EACH MONTH

CLUB MEETING
Third Saturday
of Each Month
19 MAY 1990

TUKWILA COMMUNITY CENTER
4101 South 131st
Seattle, WA 98168
Phone 243-5198

K7WTG
HEDBERG, PETE
20904 NE 77th ST
REDMOND, WA. 98053

91/01

Breakfast 0730
Riverside Inn, Tukwila

COFFEE AND DONUTS WILL BE READY AT 0930

First Class

FROM THE PREZ

Well, gosh!, now that we have a new board and officers installed, whats next? That really depends on YOU!

The planning for Field Day and our summer picnic is already underway but these are standard activities for this club. It would be nice to do something a little different; maybe social, maybe radio, or maybe even technical. In addition, we want to restart our quarterly technical presentations at the club meetings.

So, be prepared to do a SHORT brain dump at the May meeting. The subject will be activities and technical presentations. After all, its your club, tell us what you want.

By the way, it would be fun to see all 150 of you show up this month, just for kicks!

Until then, 73 and GL. -UVJ

NOW TRY THIS FOR SIZE

Recently I helped the local FCC office give Commercial Radio operator examinations. Less than half of the nearly 300 applicants passed!! I found out why.

Hear are some random questions that appear in the FCC study guide. No answers are given, just questions. See how many you can hack. The FCC exams cover 100 questions and are multiple choice.

1. What is "skin effect"? How does it affect the resistance of conductors at the higher radio frequencies?
2. Name four materials that make good insulators at low frequencies, but not at UHF or above.
3. What is the purpose of a "bleeder" resistor as used in connection with power supplies?
4. Could the harmonic of an FM transmitter contain intelligible modulation?
5. What are NOR or OR gates in a logic circuit? How do they function?

6. Draw a circuit diagram of a method of obtaining self-bias, with one battery, without current feedback, in a common-emitter amplifier with emitter bias. Explain its operation.

7. Why is it possible for a sky wave to "meet" a ground wave 180 degrees out of phase?

8. Why are insulators sometimes placed in antenna guy wires?

9. What is meant by "stub tuning"?

10. Why is the impedance of a transmission line an important factor with respect to "matching out of a transmitter" into an antenna?

Had nuff? I thought so. See why so many failed? I did not choose the "hard ones" either. And did you break out the theory books? Hope so. If you like this sort of brain teasing, I can do more. Let me know--or Joyce the editor. 73 de "Gib" W7JIE

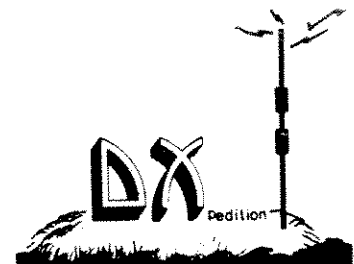
PLEASE, COME AGAIN

Visitors at the 4-21-90 meeting:
Steve King, K7SK; Tim Pierson, WA7YHI;
Hank Doty, KB7HNA; Silas Hagler, NL7EX; J. Schaaf, N7OME; Mark Kulien, KB7KEY; Joy Nowak, KB7KCU; Bob Harlan, AK7S; Mary Lou Brown, NM7N, program; and Jim Hartwell, K7UDG, program.

SS RESULTS

Congratulations to the Mike & Key Sweepstakes CW team. They took first place in the NW Division multioperator class for 1989. Competition was fierce, (there was one other entry) but I think they enjoyed themselves none-the-less.

Looking forward to next years operation. (If I can get Hal to turn THE welcome mat back over).



OPEN LETTER TO WA7UVJ:

DEAR MIKE,

I was very interested in your M&K RELAY bit about personal activities in the M&K Club. And the question, "What can be done about it?"

Perhaps as I sit back in my chair and consider quite a few years of belonging to various and many clubs, I might have an obscure answer for you.

It seems to me that its part of a national personal philosophy that has gotten into almost everyone's physique. Mentally and physically. It's just gotten to be a very bad habit. It don't do anything for anyone but it sure seems to have penetrated the entire social life in which we live.

This disease? It's called "Someone will take care of it". Also known as "Let John or Joanne or ----- do it" Probably has a very scientific name.

How do I know this is a fact of life in modern America? Look around you. How many drivers don't really care--they have insurance. How many folds go to the doctor or hospital for any ole ache? They don't care---they have insurance. Or the guy who eggs the cops on. He don't care--he has his rights!! What about the Ham who tunes up on DX--he don't care either. No one can catch him and besides "I checked the frequency". "I'll sue", "The First Amendment", "It's in the book", "everyone does it", "Who cares?" And on and on and on.

It is common knowledge that "I'm not responsible--someone else is". Whether it is working yer butt off at the flea market, volunteering for field day chairman, running for office, accepting any job in the club, or just helping make the club run--it's someone else's job. **NOT MINE!!** Even at work lots of folks depend on the union to keep them working instead of being able to prove themselves.

So I guess, Mike, we are probably very odd and even weird to think that people ought to be more involved. Perhaps they just

figure that "someone" will do the job--but not them. Should we even try or just let the failures accumulate and eventually the Mike & Key Club will dissolve for lack of members. But keep trying Mike--I'll help out. 73 de "GIB" W7JIE

SPECIAL SERVICE CLUB

We are a Special Service Club and would like help in filling the following positions:

- OES - Official Emergency Station
 - OBS - Official Bulletin Station
 - ORS - Official Relay Station
- Mary W7QGF

FIELD DAY 1990

Field Day weekend is about 5 weeks away now, leaving little time for getting ready. It looks like we will be running 3 phone stations and 2 CW stations at a maximum. We may be shorter by one in each mode. If anyone else wants to put up a station, let me know as soon as possible. I will try to check into the 2M net as much as I can between now and FD.

Our next requirement is operators. Ken, K7YR, has 15M and Dick, W7KCX, has 75M phone. Jack, KB7ZS, may have 20M phone if there is enough help. Mike and Mike have CW beach. If you want to operate, talk to these folks and get on an operating schedule. Don't be shy about contest operating, everyone started somewhere.

I need someone to take charge of power for the phone area. Mostly, it's a coordination chore. There is lots of room left in the barracks. It beats a tent if there is adverse wx. With only 2 club meetings before FD, we will bring the subject up at each meeting. CU there, Jim, K7ND

ACTIVITIES REPORT

At the next meeting a representative from ARRL will provide information on the Goodwill Games. Ever wonder how and why there is a Field Day? What's the excitement about? Jim K7ND or a member of his committee will give the answers plus some history and what makes a Field Day successful. See you May 19. Julian KA7MCB

FIELD DAY

Needless to say, June and Field Day are just around the corner and I'm looking forward to it. Are you?, I haven't heard many people talking it up this year.

Now I know you gray headed dudes are getting a little slow out the gate, but we have plenty of young(er) members that should be chomping at the bit andWHAT?!? You've never been to Field Day? What?!? you've been a Ham for two years already AND never been to Field Day?? WHY?!?, you wanna know why you should bother?????

Let me tell you why.....
Sunwaterhotcoldbeachcliffsbunkersfoodparty
tenttrailersradioshowersantennasrainmosqu
itoesfasttiredyellcrysorewssbnaturalpowers
atellitesgeneratorscomputerscompetitionrop
egasfridaysaturdaysundayhotshowersfortflag
lerferriesfriendship and most of
all.....fun.

What else can I say? I can say this...., we still need some band chairpersons. These people are mainly responsible for ORGANIZING the operation of a band/mode site. It doesn't mean you have to do all the work, haul/procure all the equipment, or operate all night. (however, you do get first dibbs!) You will be a coordinator and interface with our Field Day Chairman, Jim K7ND. If interested, please see him about the details. Sounds like fun, right? You bet! CU there, - UVJ

OW BEACH NEWS

CQ CW OPS, CQ CW OPS
As chairman of one of the CW stations this year, I need an idea of how many CW operators we are gonna have this year, soon! (I prefer NOT to make my schedule up 15 minutes before operations starts.) Please see me at the meeting or drop me a packet line on the DX node.

Also, If someone wants to get their feet wet being a CW beach chairperson, the other station is still open, but not for long. (this is very, very rare, it is usually sown up by September) Here is a chance to do it YOUR way!

One last thing, I have spent last two months (or was it three?) developing a Field Day duper/logger for IBM type computers. It's fast, user friendly (I hope), and eliminates paper logging. If interested, bring a blank IBM formatted 360K disk to the club meeting in May. I would like to get as many people possible pounding on this to work out any bugs. (Sure it has bugs). If you have any 'C' programming experience, you can play with the source code too. -UVJ

MAY BOARD MEETING NOTES

The meeting was held at the QTH of Mike, KA7CSE. Most board members and a couple of guests were present.

What activities, if any does the club want?

How about saving Aluminum cans? Mike WA7UVJ can deliver (the place is on his way to work!!)

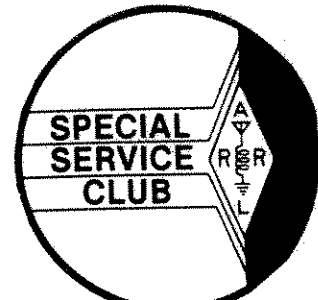
The new meeting site for the Board is Omni Restaurant, 4701 S. 188th, Seattle. Phone 246-3283. Take the 18th Street Exit off I-5 (Exit 152). Time 7:30 on the first Tuesday of the month. There is a meeting room reserved. There is a minimum charge of 50 cents per person plus 15% gratuity. How about leaving a buck for a cup of coffee, for an example. This will be easier for those who grab and eat on the way, you can wait 'til you get there and eat a good meal.

Family picnic is August 25 at Cougar Mountain Park from 11:00 AM to 5:00 PM. More to follow in future RELAYS.

The purchase of ARRL publications for the South King County Libraries will be done by Mary W7QGP. Enough money has been budgeted to buy 4 sets.

K7OSJ donated a DX60 Transmitter and a Home Brew SWR Bridge.

These are just notes I jotted down at the meeting. Darlene Pauza, N7NCC, has the permanent minutes in full. N7JFW



GENERAL MEMBERSHIP MINUTES
April 21, 1990

Meeting was called to order at 10:00 A.M. by Mike, WA7UVJ, President.

Introductions followed with 53 in attendance, including visitors.

It was moved and approved to dispense with the reading of the minutes for March 17, 1990.

Mike, WA7UVJ stated that information was incorrect in the RELAY and necessary corrections would be made.

Two guest speakers followed: Mary Lou Brown - NM7N - Vice Director of the ARRL, spoke to us on the Communicator License, Unattended Packet, WARC 92 and UHF, VHF Bands.

A short break was taken.

Meeting was resumed at 10:40 AM with a slide presentation from Jim Hartwell K7UDG, on Soviet Amateur Radio.

Treasurer's Report: It was reported March balance at \$9,847.50. Final Flea Market report: Income \$14,065.00, Expenses \$8,662.00, Profit \$5,403.00. Reported \$800.00 down from last year.

Ralph, WX7T, presented 3 applicants to membership for approval: N7MFB, Bill Todd; WQ7C, Gary Weber; and WB7CGO, Vaclav Sal. All were voted in unanimously.

Julian, KA7MCB, stated he wanted to promote brotherly love within the club. Club picnic is set for Saturday, August 25, 1990 at Cougar Mountain Park. It was stated that \$35.00 needed to be sent in to reserve the park. Joyce, N7JFW, moved and it was approved that we go ahead and reserve the sight. Also, stated that he would be sending out a questionnaire.

A motion was made for the board to consider donating \$100.00 to the US/USSR visiting amateurs arriving next month.

Mike, WA7UVJ, reminded all of the Fort Flagler work party on May 5.

The annual banquet was held on April 7, 1990 at the Ballard Eagles. The following Mike and Key members received these awards: "Pop Brown" - Joyce Stroeher - N7JFW; "Field Day Outstanding Members" (1989) - Jack Burrell O KB7ZS and Claire Laskey - KB7GEW.

A presentation was then made to Jim Carpenter, K7PHZ, for Special Services Award.

Mike then listed several people who received 15, 10 and 5 year certificates for club membership.

The meeting was adjourned at 12:45 PM with a Field Day meeting following. Darlene Pauza, N7NCC, Secretary.

WELCOME ABOARD

New members received on 4-21-90:

WILLIAM P. TODD, N7MFB
3719 - 59th Ave. S.W.
Seattle, WA 98116
932-3710

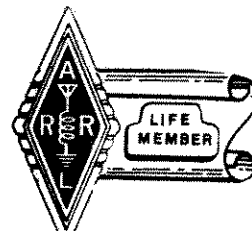
GARY GE. WEBER, WQ7C
7625 N.E. 141st
Bothell, WA 98011
820-2833

VALCLAV SAL, WB7CGO
22523 - 143rd Ave. S.E.
Snohomish, WA 98290
668-4948

Please add this information to your roster.

BALLARD PARADE
MAY 17, 1990

YUP!! It's that time of year, again. Radio operators needed for this parade. Time is 5:00 PM on 146.58. Chuck, WA7EBH



MOST POPULAR ARRL PUBLICATIONS

Special money saving offer! This set of the most popular league publications includes:

THE RADIO AMATEUR'S HANDBOOK
TUNE IN THE WORLD WITH HAM RADIO
ARRL ANTENNA BOOK
ANTENNA COMPENDIUM
W1FB'S ANTENNA NOTEBOOK
YAGI ANTENNA DESIGN
FCC RULE BOOK
FIFTY YEARS OF ARRL
TECHNICIAN/GENERAL CLASS LICENSE MANUAL
ADVANCED CLASS LICENSE MANUAL
EXTRA CLASS LICENSE MANUAL
OPERATING MANUAL
SATELLITE EXPERIMENTER'S HANDBOOK
200 METERS AND DOWN
FIRST STEPS IN RADIO
CQ GHOST SHIP
DEATH VALLEY QTH
DX BRINGS DANGER
SOS AT MIDNIGHT
GRAND CANYON QSO
QRP NOTEBOOK
GIL CARTOON BOOK
TRANSMISSION LINE TRANSFORMERS

Editions sent will be those available at the time the order is received. Publications are subject to change without notice. This special offer applies only to orders sent to ARRL Headquarters. Only complete sets of these publications are available at the special price of \$120.00 per set, postpaid (including Canadian and foreign orders). Canadian and foreign orders must be in US FUNDS. (EDITOR'S NOTE: these are the sets being ordered for the libraries by M&K ARC).

Cinco de Mayo Picnic, Ft. Flagler

For those of you who "forgot", "slept in", or otherwise decided to miss the Ft. Flagler event, you missed a good chance to exchange fact, fiction, etc. concerning all phases of ham radio from the Club to club members, and best of all, a great barbecue with all the trimmings. We sure do thank you for that Mike, Mike & Frank. UVJ's potato salad was just great.

I arrived Friday afternoon to find Frank, KA7QHG set up and ready for the

evening. We turned in early in preparation for the early rush of club members anxious to get to work. Mike, WA7UVJ and Mike, KA7CSE drifted by just before 8:00 Saturday and the four of us prepared to do battle. About the time we got started Ted, NOYC arrived with his sprayer and brought our numbers to five.

CSE and UVJ grabbed brushes, started cutting boarders and hounded Frank and myself into grabbing rollers and laying on the paint. About the second building, Bob, KB7LM and Dick, K7KCX arrived on their bikes. Ted used his sprayer to cover the building eaves and other hard to reach places. Jim K7ND arrived with another sprayer, and immediately attacked another building. With Mike & Mike doing the cutting-in, Frank, Bob & myself on the rollers, Ted & Jim spraying, and Dick doing the windows and trim, we finished thirteen, count em 13, buildings and were moving out at 3:30PM.

There were a lot of laughs, some le pulling, some dire threats from the rod, good food, and a really good time. Sorry you missed an event that benefits not only the Club but a great many others

73, Jack, KB7ZS

INTRODUCTION TO PACKET RADIO

PART 4

by Larry Kenney, WB9LOZ

The TNC commands that affect the monitoring mode and what you see on the screen while monitoring will be discussed in this part, then we'll take a look at the basics of packet bulletin board operation.

TNC COMMANDS:

MONITOR - This must be ON for you to monitor anything. When ON, you see packets from other stations on the frequency you're tuned to. What packets you see is determined by other commands from the list below. If MONITOR is OFF you see only packets sent to you while you're connected to another station.

[Note, some of these commands may be different, depending on which TNC you are running.]

MALL - If MALL is ON, you receive packets from stations that are connected to other stations, as well as packets sent in unproto (unconnected) mode. This should be ON for "reading the mail". If MALL is OFF, you receive only packets sent in unproto mode by other stations.

MOON - If ON, you see connect <C>, disconnect <D>, acknowledge <UA> and busy <DM> frames in addition to information packets. If OFF, only information packets are seen.

MOON - If ON, you see packets from other stations while you're connected to someone else. This can get very confusing, but is useful when your path is bad and you want to see if your packets are being digipeated okay. If OFF, the monitoring of other stations is stopped when you're connected to another station.

MRPT - If ON, you see a display of all the stations used as digipeaters along with the station originating the packet and the destination station. If OFF, you see only the originating and destination stations. For example, if you have MRPT ON, you might see a transmission such as this: K9AT>WB6QVU,W6PW-5*: I'll be leaving for the meeting at about 7:30. If MRPT was OFF, the same transmission would look like this: K9AT>WB6QVU: I'll be leaving for the meeting at about 7:30. In the first case, you can see that the W6PW-5 digipeater was being used. The asterisk indicates which station you were hearing the packet from. In the second case you have no idea if digipeaters are being used or what station you were receiving.

HEADERLN - If you have this turned ON, the header of each packet is printed on a separate line from the text. If OFF, both the header and packet text are printed on the same line.

MSTAMP - Monitored packets have the date and the time the packet was received if MSTAMP is ON. If it's OFF, the date/time stamp is not shown.

I run my station with all of these commands, except MOON, turned ON so that I can really see what's happening on the frequency I'm monitoring. Try various combinations of these commands and then decide on the combination you like best for your station.

USING A PACKET BULLETIN BOARD SYSTEM:

You connect to a bulletin board system (BBS) exactly the same way as you connect any other station. Once connected, you'll see a welcoming message, some basic instructions and other information. This information will vary from system to system. The first time you connect you'll receive a request to enter your name, home BBS, QTH and zip code for the system user file. You enter your name using the letter N followed by a space and then your first name, such as: N Larry. Your "home BBS" is the system you plan to use regularly and want all of your personal messages delivered to. You enter that by typing NH followed by a space and then the call of the BBS, such as NH W6PW. (Note: SSIDs are not used with BBS operation except for when making the connection. The BBS software ignores all SSIDs.) Your QTH is entered with the NQ command, such as NQ San Francisco, CA. [At this time, NQ is only available on the WORLI code] Enter the full city name and the two letter state abbreviation. You enter your zip code with NZ followed by a space and your five-digit zip. The home BBS, QTH and zip code information is sent to a central data bank at the WD6CMU BBS known as the "White Pages", and can be used by anyone. System operators (sysops) use it for determining the correct system when forward messages, and you can use it to find out the "home BBS" of your friends. How to use the "White Pages" will be discussed later on in this series.

When checking in to a BBS for the first time, you should become familiar with the commands available to you. Each BBS or mailbox is a little different from the next, so read the introduction carefully and follow the directions. If you don't know what to do next, enter H for the HELP instructions. Make note of the command letters, enter only one command at a time, and make sure you enter them correctly. Computers are not very forgiving and expect things to be entered in proper form. Take your time, check out the features that the particular BBS or mailbox offers and enjoy yourself. There's no need to feel rushed or intimidated. If you get to a point where you don't know what to do next, don't give up and disconnect, enter H again for HELP. That's what it's there for! I suggest

making a printer copy of the complete help file so that you have it available as a reference when using a BBS.

Now let's go through the basic procedures you should follow when checking into a BBS. When you receive the welcoming message, you'll note that the last line ends with a >. This is known as the prompt, and is where you enter the command you want performed next. If there are personal messages addressed to your call, the BBS will list them for you following the welcome message. Note the message numbers.

At the prompt, the first thing you should always do is list the new messages, by entering L. The BBS program updates the user file each time you check in, logging the latest message number. The next time you check in, only new messages that have been received by the system will be included in your list. The first time you'll receive all of them, since they're all new to you. This list can be very long, as many systems have more than 200 active messages on line. When you receive the list, note the numbers of the messages you're interested in reading.

Next, read the messages you're interested in. You do this by entering R XXXX, where the Xs represent the message number, such as R 4521. Note that there is a space between the command and the number. It's best to have your buffer or printer turned on when reading messages, because they're apt to come in faster than you're able to read them. You should have a means of saving them for reading later after you've disconnected. If there were messages addressed to you, you should erase or "kill" them once you've read them. You can do this with the "KM" command, which means "Kill Mine". This command will erase all messages that are addressed to you that have been marked as having been read. You can also kill each message individually by entering K XXXX, where the X's are the message number.

Once you've read all the messages you're interested in, you have several options. You can look back at old messages, send messages to other stations, see what's available in the files section, download a file, upload a file, check the list of

stations that have recently checked in to the BBS or stations that have been heard on frequency, monitor other frequencies used by the BBS, use the gateway feature (if available), check the status of the BBS tasks, or a variety of other things. In part 5 we'll cover some of the other BBS commands. In the mean time, the help file of the BBS should give you all the information you need to try any of the functions mentioned above. Enjoy!

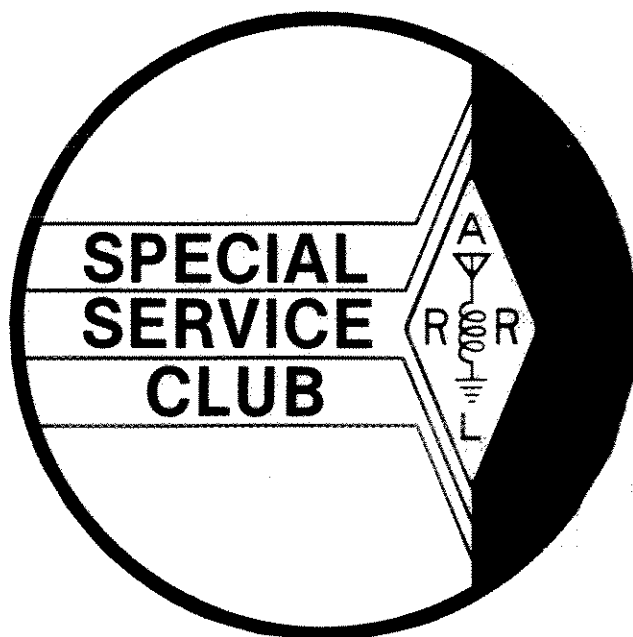
HOW CELLULAR TELEPHONES WORK

Jerry Wolfer, WA0RCX, of US WEST NEW VECTOR CELLULAR GROUP will be giving a talk at the Puget Amateur Radio Society (PARS) on Thurs. evening May 17 at 7:30 PM.

Jerry is in charge of the engineering group in Bellevue and travels extensively all over the country installing cell sites.

Everyone is welcome to come and participate. Meetings are held at the Puget Power Building in Bellevue, NE 4th and 106th Ave., doors open at 7 and the meeting starts at 7:30.

Chuck WA7EEH



1990 May 13 - Jun 23 1990

MAY AND JUNE EVENTS

SUN	MON	TUE	WED	THU	FRI	SAT
May 13 Mother's Day	May 14	May 15	May 16 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	May 17 5:00pm BALLARD PARADE 146.58 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS RADIO CLUB	May 18	May 19 7:30am Breakfast at Riverside 10:00am CLUB MEETING in Tukwila 1:00pm VE EXAMS at Good Neighbors Center Armed Forces Day
May 20 YAKIMA HAMFEST WEEKEND	May 21 Victoria Day (Canada)	May 22	May 23 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	May 24 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	May 25	May 26
May 27	May 28 Memorial Day (Observed)	May 29	May 30 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	May 31 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	Jun 1 SEASIDE HAM CONVENTION	Jun 2 8:00am CAMANO ISLAND HAM BREAKFAST SEASIDE HAM CONVENTION
Jun 3 SEASIDE HAM CONVENTION	Jun 4	Jun 5 7:30pm Board Meeting OMNI RESTRAUNT **RELAY DEADLINE FOR NEXT ISSUE**	Jun 6 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Jun 7 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm ISSAQUAH RADIO CLUB MEETING	Jun 8	Jun 9
Jun 10	Jun 11	Jun 12	Jun 13 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Jun 14 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. Flag Day	Jun 15	Jun 16 7:30am Breakfast at Riverside 10:00am CLUB MEETING in Tukwila 1:00pm VE EXAMS at Good Neighbors Center
Jun 17 Father's Day	Jun 18	Jun 19	Jun 20 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Jun 21 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS RADIO CLUB Summer begins	Jun 22	Jun 23 ARRL FIELD DAY

FOR ADDITIONS CONTACT EDITOR

RUSSIAN HAMS SCHEDULE

- May 15, Tue. Afternoon: Visit local TV station (K7GEX)
Evening: K7RA's Virginia Inn beer party (WWDXC members).
- May 16, Wed. Morning: Leave Seattle early for Wenatchee. Visit Indian Museum, BPA fac. etc. Overnight with Wenatchee club.
- May 17, Thu. Wenatchee club entertains. Visit Mission Ridge Rptr, etc.
Evening: Travel to Ellensburg, get-together, overnight.
- May 18, Fri. Morning: Ellensburg club entertains.
Afternoon: Travel to Yakima. Bar-B-Q, Hospitality evening.
- May 19, Sat. Yakima Hamfest. Banquet (donation to Russ.). Overnight.
- May 20, Sun. Yakima Hamfest till 2 PM. Party. Overnight.
- May 21, Mon. 9-10 AM Sheirson-Leamon coen house. Return to Seattle.
Evening: WWDXC Mexican Dinner (\$10), Torero's, Renton.
- May 22, Tue. Morning: Visit Museum of Flight, Seattle (W7JXP interprets).
PM: Visit Seattle Telephone Museum (K7DZ).
Evening: WWDXC "Bring-ur-own-steak" Cookout at W7LVI (W7FR).
- May 23, Wed. Morning: Visit Sno-Isle Skill Ctr, Everett (W7KZE).
Afternoon: Visit Boeing 747 Plant, Everett (W7JXP interprets)
Evening: Salmon Dinner, Everett Power Boat Socn.
- May 24, Thu. 8:30 AM: Tour ICOM facility, Seattle (W7JXP).
11:00 AM: Fluke Plant tour, lunch.
2:30 PM: Tour AEA Plant, Lynnwood.
6 PM: Spaghetti feed with Anacortes Club (NM7M), overnight.
- May 25, Fri. Morning: Tour Shell Refinery, Anacortes, (NM7M).
Lunch: With Oak Harbor Club at CPD Club.
Afternoon: Visit KE7V and W7XR contest stations.
- May 26, Sat. Folklife Festival, Seattle Center. Evening with hosts.
- May 27, Sun. July 1990 Kazan visitors (WWDXC) and Zilan team Get-together
at N7KZN's in Bremerton. Afternoon until ?
- May 28, Mon. Shopping tour of Malls, Pike Pl. Market? Hosts and UAs.
- May 29, Tue. Morning: Tour Hewlitt-Packard, incl. lunch.
Afternoon: Tour cellular phone facility (W7DRP).
Evening: Fried chicken at WA7GLU, Everett.
- May 30, Wed. Afternoon: Meet Vancouver Hams at W7RMs, La Center.
Evening: Dinner and Clark County A.R.C. meeting. Overnight.
- May 31, Thu. Visit Chkalov Museum, Larsen Ant., Portland Repeaters.
Evening: return Seattle.
- June 1, Fri. Lunch with K7GEX in Edmonds.
Travel to Port Ludlow, Dinner party with Ludlow Hams, overnight.
- June 2, Sat. Cruise Puget Sound, San Juan Islands with Port Ludlow Club.
- June 3, Sun. Rest, visit with hosts, packing.
- June 4, Mon. Sea-Tac 10 AM for processing, lunch and Sayonara.
Depart SAS 2:30 PM.

(For further details, contact: K7ZR, KD7IK, K7UDG).

„ZILAN“
DX CLUB

P. O. Box 88, KASAN

420084, USSR

№ 12/1

ТАТАРСКИЙ ОК ДОСААФ
РЕСПУБЛИКАНСКИЙ КЛУБ
ЛЮБИТЕЛЕЙ ДАЛЬНОЙ
РАДИОСВЯЗИ—„ЗИЛАН“

420084 КАЗАНЬ аб яш 88

20 марта 1990г.

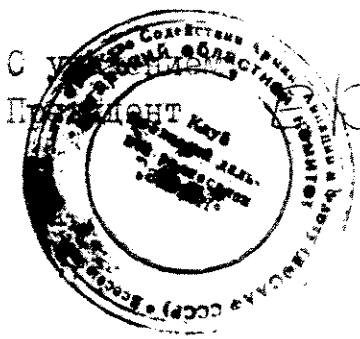
Генеральное консульство
С С С Р г. САНФРАНСИСКО

Клуб любителей дальней радиосвязи "ЗИЛАН" при Тат.ОК ДОСААФ в плане развития межклубных взаимодействий организует вторую встречу /первая состоялась благодаря вашему содействию в июле 1989г./ советских и американских спортсменов-радиолюбителей. В программе встречи посещение гг. Москва, Казань, Ульяновск, Саратов, Куйбышев и Волгоград. Согласие на прием американской делегации от соответствующих федераций радиоспорта имеется. Вопрос также согласован в местных организациях. Запланированы широкие встречи с радиолюбителями перечисленных городов, совместные выступления в соревнованиях по радиоспорту, участие в межрегиональной конференции радиолюбителей Поволжья. Все расходы по приему делегации берет на себя клуб "ЗИЛАН".

В связи с изложением, прошу оформить въездные документы для посещения вышеуказанных городов гражданам США по прилагаемому списку.

Встреча будет проходить ориентировочно с 05.07 по 27.07. 1990г.

В случае необходимости в дополнительных сведениях или документах прошу известить М.Хансона - дом.тлф:2062557137 или Д.Эрбека - дом.тлф:2066591090, раб:2067758471. Они оперативно дадут нам знать по радиолобительским каналам.



Костромин
Е.А.Костромин.

Short wave Radio enthusiasts' club, "Zilan" is organizing the second joint convention of the Soviets and Americans who are radio communication enthusiasts (the first occurred thanks to your work in June of 69). In the program are meetings to be held in Moscow, Kazan, Ulyanovsk, Saratov, Kuibishev and Volgograd. Agreement for the admission of the American delegation from the required federal agency has already been handled by us. All questions have already been resolved in regard to the local organizations. General meetings have been planned with radio enthusiasts in the listed cities, as have joint radio sport competitions (?), and participation in a multi regional conference of radio enthusiasts from Povolzh. All admission expenses for the American delegation will be borne by Club Zilan.

In connection with the above, I ask that you register the entrance documents (visas???) for the Americans that will be visiting the above listed cities, on the attached/ accompanying list.

The meeting will occur roughly during the period of July 5th through July 27th, 1990.

If you need additional information or documents, please contact M. Hanson--home--206 255 7131 or D. Ehrbek--Home 206-659-1090 and work--206-775-8471. They will relay the message via radio.

With Regards,

E.A. Kostromin President