

AMATEUR RADIO OPERATORS

ALASKA AMATEUR RADIO OPERATORS
GREAT EARTHQUAKE OF 1964
communications to all agencies
distinct operations. On
the two meter amateur
Hospitals, Alaska
communications, traffic
United States Army, etc.

2008 ARRL ALASKA STATE CONVENTION

ANCHORAGE, ALASKA

AUGUST 1 - 4, 2008



On behalf of the American Radio Relay League (ARRL), the national association for AMATEUR RADIO, Welcome to the ARRL Alaska 2008 Amateur Radio State Convention.

Thank you for attending and participating. I am sure that this convention will be a pleasant, memorable, and rewarding experience for all amateur radio operators and visitors. Whether you are a newcomer or seasoned veteran of Amateur Radio, I hope each of you will find an exciting election of programs, exhibitors, and activities of interest.

There is something here for everyone:

Emergency Communications, DX, Contesting, QRP, new technology, antennas, legal affairs, transmitter hunts, exhibitors offering a wealth of products, door prizes, and VE exam sessions will also be available for those wishing to obtain their license for the first time or to upgrade. For ARRL members don't forget the Wouff-Hong ceremony at midnight on Saturday.

American Radio Relay League President, Joel Harrison, W5ZN, will give the keynote address at the Saturday evening banquet and Northwest Division and Section appointees will man the ARRL booth and ARRL Forum. They will be available throughout the convention to listen to your comments and answer your questions.

Putting on a once in 30 year convention requires over a year of hard work by the many amateur radio operators from all over Alaska. Your satisfaction and the success of the convention are the true reward for these volunteers. When you see a person wearing an ARRL Convention Staff hat, please say "hello" and thank them for their hard work.

Thanks are owed to many, many people, but I would like to single out the ones that have been there from the beginning and through all the challenges and triumphs in between. Richard Tweet, KL2AZ for all the outreach to vendors and sponsors and a great host willing to step up to any responsibility at a moments notice. Don and Carol Bush KL7JFT and KL2FA. Don for all his hard work with the special event operations. Carol, KL2FA is responsible for the beautiful Polar Bear centerpieces that are available for Silent Auction in support of the YLRL scholarship and promotion of amateur radio. Jeannette Morton for all the outreach to radio clubs across the state and Mike Romanello for outreaching to Vendors for over a year to come to Alaska.

Thanks to all the members of AARC and the radio clubs of Alaska for coming together for this once in a lifetime event and supporting the convention. The ARRL 2008 Convention is the largest gathering of amateur radio operators ever in Alaska.

Thanks to all the volunteers of the 2008 ARRL Convention:

Richard Tweet, KL2AZ

Anne & Tom Rutigliano, KL7TZ & NL7TZ

Michael Romanello, KL7BK

Don & Carol Bush, KL7JFT & KL2FA

George Strothers, KL7GS

Betty Carrington, KL1XL

Jeannette Morton, KL0HG

Mark Kelliher, KL7TQ

Sean Jensen, KL2CO

Karen Walker, KL7UU

Kim Gonzalez, KL2BQ

Bill Balzarini, KL7BB

Pete Summers, KL2GY

Bruce McCormick, KL7BM

Michael O'Keefe, KL7MD

John & Lauren Orella, KL7LL & KL7LC

With great thanks to all,

Respectful 73,



Heather Hasper, KL7SP

Convention Chair

August 1, 2008

STATE OF ALASKA



Executive Proclamation by *Sarah Palin, Governor*

WHEREAS, amateur radio operators have a long and illustrious history of providing communications worldwide for people in need. From the 1964 Good Friday Earthquake and the 1996 Miller's Reach Fire in Alaska, to the 2005 Hurricane Katrina in Louisiana and Mississippi, amateur radio operators have given willingly of their time, equipment, skills, and energy to benefit close neighbors and faraway strangers alike.

WHEREAS, amateur radio operators provide a public service and contribute to the quality of our communities. They are ever at the ready and have been present for the Iditarod, the Yukon Quest, the Mayor's Midnight Sun Marathons, Walk for Hope, and many other public service events throughout the years all over Alaska.

WHEREAS, amateur radio operators mentor many young Alaskans who will grow up to contribute to advances in science and technical industries. Anchorage and Mat-Su Valley amateur radio operators sponsor electronic kit building at the bi-annual Alaska Girl Scout jamboree. Radio license classes are offered to grade school and high school students. A complete amateur radio station has been built at Wasilla High School.

WHEREAS, the Anchorage Amateur Radio Club is sponsoring the American Radio Relay League Alaska Convention in August 2008.

NOW, THEREFORE, I, Sarah Palin, Governor of the state of Alaska, hereby proclaim the week of July 28 through August 3, 2008 as:

Amateur Radio Week

in Alaska and encourage all Alaskans to recognize, appreciate, and support their fellow citizens who are radio operators for their contributions to public emergency services.

Dated July 23, 2008



A handwritten signature in blue ink that reads "Sarah Palin".

Sarah Palin, Governor
who has also authorized the
seal of the State of Alaska to
be affixed to this proclamation.



Municipality of Anchorage

P.O. Box 199650 • Anchorage, Alaska 99519-0650 • Telephone: (907) 343-4431 • Fax: (907) 343-4499 <http://www.muni.org>

Mayor Mark Begich

Office of the Mayor

Welcome!

As Mayor of Anchorage and on behalf of our citizens, it is a pleasure to welcome you to the ARRL 2008 Alaska Amateur Radio Convention. This convention promises to provide you with many opportunities to learn more about amateur radio issues that concern our community and to network with those who share your interests. Many of you have traveled a long distance to meet with other amateur radio operators and share new information and ideas.

As a primary mode of communications in the State of Alaska, many amateur radio operators use radio. At this convention, you will meet the amateur radio operators from all over Alaska that support our local communities through public service and emergency communications all year long.

While you are here, I hope you will take the time to get out and enjoy some of what Anchorage has to offer. Whether you're interested in shopping, sightseeing or possibly a new dining experience, you're sure to find what you're looking for. Anchorage citizens are known for our warm hospitality, and we look forward to sharing our city with you.

I wish you all the best for a successful convention, a pleasant stay and continued success in reaching your goals.

Sincerely,

Mark Begich
Mayor

Community, Security, Prosperity



CLUB HISTORIES

ANCHORAGE AMATEUR RADIO CLUB

The Anchorage Amateur Radio Club was organized in 1947. The first meeting was held at the Fourth Avenue Theater. The first president was Dave Fulton, KL7AGU. Among those present was Charles Sappah, KL7PJ, Glen Jefferson, KL7NT, Jack Walden, KL7BK, Augie Hiebert, KL7PQ, Harold Hitchins, KL7PG, Charley Wier, KL7HG, Carl Meeks, KL7SX, Vern Huffman, KL7SU, Woody Welling, KL7MS, Pappy Moore, KL7CP and Jack Edwards, KL7ABT. By 1950, the club moved to the KENI transmitter site. The meetings were held in the basement and the wives had a social meeting upstairs. The club station, KL7AA, was set up at this time, using a transmitter build by Jack Waldron and a long wire antenna. The club owned a code machine and a tape puncher, and code practice was run every night on 80 meters by club members. Around 40 people throughout the state listened fairly regularly. Many wives of members got tickets at this time and joined the club.

In 1953, a few meetings were held at Yukon Radio on 7th & I Street. When the Loussac Library was built, the meeting place moved to the city council chambers in the basement.

During this time, the Northern Alaska Emergency net was organized and met nightly on 3982. Around 30-40 people checked in regularly. This net provided essential communications to people living in the bush. Stations in town copied grocery lists and phone them to local stores, made plane and hotel reservations and relayed messages to and from the Lower 48 and the bush.

In 1955, the club acquired a bus. Every other seat was removed, tables installed and several stations set up. A generator was installed for power and antennas could be set up on top of the bus. In 1956 or 1957, a travel trailer was also acquired and similarly equipped. Charles Sappah was the Civil Defense head of communications at this time, and he supplied a Hallicrafters HT20 with receivers for the bus. He signed up hams for Civil Defense and supplied them with Gorset communicators. Of course, all of this equipment was used at hamfests and Field Days, but it proved invaluable during the earthquake.

The Anchorage Amateur Radio Club, KL7AA has been an active participant in many local public service events. Some of the local activities supported by Amateur Radio include:

- Eagle River Classic Sled Dog Race
- Fur Rondy Grand Prix
- Fur Rondy World Championship Sled Dog Race
- Iditarod Sled Dog Race (Start, Restart and Trail communications)
- Walk for Hope
- Gold Nugget Triathlon
- Mayor's Marathon
- Northern Edge Shield (Disaster Training Exercises)
- Alaska 10K Classic

Ham Radio operators have supported public events in Anchorage for over 70 years. With more than 1100 amateur radio operators throughout the Municipality including Eagle River and Girdwood, ham radio has the ability to provide communication coverage over the entire Anchorage bowl. Each operator has a radio, their own power supply and a general knowledge of emergency communications needed to provide emergency or priority communications traffic compliant with the Federal Response Plan National Traffic System. Amateur Radio is a key component in the State of Alaska Emergency Plan and the Anchorage Emergency Plan. With stations in both State and local Emergency Operations Centers we provide government liaison support when public communication systems fail.

A 2M net was organized around 1956 and met nightly in the fifties and weekly during the sixties. This was a Civil Defense / ham project. The control station was in the basement of the telephone utility building, and club members took turns acting as net control.

The Anchorage Radio Club's participation in the Fur Rendezvous races began around 1958 and is still continuing. Stations were set up to take traffic for the states as well as man the checkpoints in the race. A large board showing the route of the race is set up on Fourth Avenue so spectators can see the positions of the racers.

In 1973, members of the VHF committee set up a 34-94 repeater at Del Wolfington's house and put the antennas on his tower. This machine was a "junkbox special" and surprised everyone by working. In 1974, a 22-82 repeater was set up at Stuckagain Heights. This has become the Anchorage link of the Anchorage-Minchumina-McKinley-Fairbanks repeater link. With this set-up, a 2M mobile station can contact another 2M station in Fairbanks with no special equipment other than a handheld transceiver.

In 1984, the Anchorage Amateur Radio Club through the leadership of Wilse Morgan, KL7CQ the Federal Communications Commission appointed the Anchorage Amateur Radio Club as its first volunteer examiner coordinator (VEC) in the United States. This program authorized December 1, 1983 allowed examinations for amateur radio operator licenses to be given by volunteer examiners drawn from the private sector. VE accredit volunteers administer the examinations and coordinate the entire program in a specific region. The Anchorage Amateur Radio Club was appointed the VEC for the State of Alaska, FCC Region 11. To day, the AARC VEC still plays an active role in the national NCVEC program through development of the Question pools used on the examinations and the AARC VEC continues to maintain the majority of the VE Examinations offered in Alaska. These programs are offered free of costs to all participating operators. The program has also been trying to prototype an online internet testing program to be available to remote Alaska.

With the use of our Command and Control Vehicle (CCV), ARES has the resources to provide interoperability to all agencies involved in this event. The CCV has multiple modes of communication. Our radios include VHF UHF radios needed to talk to local emergency services, Aviation radios needed to provide air to ground communication, Marine radios to provide communication support to US Coast Guard Auxiliary, Search and Rescue, digital packet communications, satellite operations and at least three HF stations concurrently. The CCV has the ability to be an Incident Command Center or event coordination facility if needed.



THE SOCIETY FOR THE PRESERVATION OF AMATEUR RADIO IN KODIAK (SPARK)

No history of SPARK would be complete without including a history of the Alaska Snipers Net as well. Both SPARK and the Snipers Net had their beginning about the same time in Kodiak.

The Snipers Net (appropriately named by Bud, WA4APN/KL7, Uganik) was started during the spring of 1971 when KL7GCH and KL7JDO (now KL7AF) met to pass weather forecasts and news to Casey. About the same time WA2RPO (now KL7HIX) moved to Kodiak to become the third station on the "net." The three stations started checking in on an informal basis. Early check-ins included KL7JDO, Big Tony; KL7GCH, Casey; KL7HIX, Andy; KL7EQ, Oley; KL7DND, Gene; KL7BDC, Little Tony; WA4APN/KL7, Bud; W8OD (later KL7HOG), Proc; KL7FMA, Gino and KL7HNH, John.

It soon became apparent that the informal check-in system would no longer work. A net preamble was written by KL7HIX and KL7JDO. The Kodiak Island Snipers Net went "formal" during the fall of 1971. The first net roster had fewer than 20 stations. The net continued to grow and was soon enjoying check-ins from many parts of Kodiak and the state.

In late 1972, the hams in Kodiak got together at the Montmartre Restaurant for an organizational meeting. After several meetings and hours of discussion, a constitution and by laws were written and the first officers were elected at the February 1973 meeting. Early club activities included monitoring the 45 mile footrace during the Kodiak King Crab Festival and, of course, Field Day, 1973.

The club was active in community affairs, SET, and Field Day during 1974 and 1975. Organizational problems found SPARK slipping into inactivity during 1976.

In 1977, the club reorganized with a new slate of officers and more members than ever. Full and associate members now number 28.

During the winter/spring of 1975 and again during the winter of 77/78, the club taught Novice classes helping more than 25 amateurs get their licenses. During the late 1980's, S.P.A.R.K ceased to exist due to a number of issues.

KODIAK AMATEUR RADIO EMERGENCY SERVICE (KARES)

In 1991, "K.A.R.E.S." [Kodiak Amateur Radio Emergency Service] was formally organized. This group of dedicated amateurs originally started out with a 1969 Travel Trailer converted into a mobile communications unit. Later in 2003 the group received donation of a 32 foot passenger bus that was converted to mobile communications and a "command post" for Public Safety. That unit is still in active use today. K.A.R.E.S. has routinely monitors the 42mile foot race that "SPARK" originally monitored back in the early days. Meetings are every Monday evening fro 7-9pm at the Bay-side Fire Station, 4606 Rezanof Drive E.

A new Radio Club has recently immersed on "the Rock." The "Kodiak Island Amateur Radio Club" is presently in the process of organization, and has only existed for a few months. The interest with "KIARC" is more of the hobby side of the house, rather than supporting public safety like ARES does. KIARC has a newly established web site: <http://www.kodiakhamradio.org/>



MATANUSKA AMATEUR RADIO ASSOCIATION (MARA)

Matanuska Amateur Radio Association was formed in March 1977 through the efforts of Mike Eppler, KL7ILA, and John Miller, KL7IOX. The first organizational meeting was attended by five hams of the Matanuska Valley: Norm Dietz, KL7IPA; Mike Eppler, KL7ILA; Rosana Eppler, KL7IRE; John Miller, KL7IOX; and Milt Souter, KL7IPJ.



The constitution was adopted and first elections held June 1977. Membership has grown to 75 and continues to increase. The current MARA President is Don Bush, KL7JFT, who joined the club in 1978. The Club has grown into a major community support operation, including building a High School Radio station, at Wasilla High and a Red Cross Radio Station in Wasilla. We have members from all over the Matanuska Borough and Anchorage.

MARA has just completed construction of a Communications Trailer and Power/Tower Trailer to support its various operations and Matsu Emergency Services. This gives us the capability to deploy to any area accessible by road for a base station and deploy from there for remote or mobile operations in time of emergencies. We have full HF, VHF, MARINE, FRS/GMRS, AIRCRAFT VHF and Public Service capabilities and are self sustaining in the field independent of commercial mains.

Field Day 2008 was a great success, allowing the members to operate a SSB and Digital Station at the main site and a GOTA station at the secondary site. The new hams and non-hams participation was very successful and

should help in producing new hams in the future. Our new Power/Tower trailer was very successful as well as our G5RV and NIVS antenna systems.

Some of the major activities that the Club has participated in were the 2007 Floods in the Valley, The Mass Inoculations Drill conducted by the State, completed CERTS training, supported the local Dog Races, Jr. Iditarod, the 2008 Iditarod, and the Alaska State Fair. The Club's primary focus is Community Support and Emergency Services. We have conducted HAM Classes from Tech to Extra for not only the folks throughout the Borough, but for the Local Fire Departments as well. ARES training is very active in the Valley and continues to improve the Clubs new capabilities to support the Borough and back up the Anchorage Club, AARC in their area. We have concentrated on Packet, Digital Operations, and APRS training, to complement our operations.

MARA looks forward to continuing success and bringing along our new Amateurs and training new ones.

POLAR AMATEUR RADIO KLUB OF ALASKA (PARKA)

The Polar Amateur Radio Klub of Alaska was started in 1955 as a YLRL affiliated club for licensed women amateur operators. At that time, there were 26 charter members. The purpose of PARKA is to further ham activities for the YLs of Alaska and to encourage XYLs to become licensed operators.

Over the years, these young ladies have involved themselves in a variety of activities such as setting up stations at Fur Rendezvous and handling message traffic for the public, setting up and operating their own field day stations, donating food and clothing to charitable organizations, sponsoring raffles and sales to aid various needy organizations, and helping other women obtain their amateur licenses through code and theory classes and on-the-air code practice sessions.

PARKA offers a "PARKA Lucky Seven Award" for any amateur in the world who completes two-way contact from the same location or within a 25-mile radius with seven members of PARKA. Alaska amateurs must also submit proof of contact with at least four other KL7 YLs, for a total of eleven. (Operation on any authorized band or mode, crossband not accepted—contacts valid from February 1, 1955, to present.) When sending confirmation, please enclose sufficient U. S. postage or IRCs for return of your cards and certificate. Send applications and confirmation to YLRL KL7 District coordinator, Heather Hasper, KL7SP PO BOX 190341, Anchorage, Alaska 99519.



Today, PARKA has 16 active members. We are always looking for new members from around the state and welcome any YLs or XYLs (wives of hams) who are interested in joining us, helping to promote amateur radio and getting their amateur radio license. Meetings are held on the second Saturday of each month at Peggy's restaurant, across from Merrill Field airport in Anchorage, Alaska. Anyone desiring to join may attend one of the meetings or check out our website at: <http://www.parka-kl7on.com>.

ARCTIC AMATEUR RADIO CLUB

The Arctic Amateur Radio Club, KL7KC is thought to be the oldest amateur radio club in Alaska, founded in 1939 by communications pioneer Augie Hiebert, amateur radio has long been a primary form of communications for interior Alaska. AARC maintains an extensive repeater network, and with help from our friends and hosts, covers much of Interior Alaska primarily on 2 meters. The AARC provides communications for the Yukon Quest — "The World's Toughest Dog Sled Race" — from mid- to late February. Emergency service members of AARC are very active throughout the Golden Heart area. The Club meets monthly during Sep-May on the first Friday at 7 PM at the University of Alaska Fairbank.



MOOSEHORN AMATEUR RADIO CLUB

The Moose Horn Amateur radio club has its origin in the army MARS station at Wildwood Army Base near Kenai Alaska in the 1950s. In the 1965 the army base was transferred to the air force and the ham station became air force MARS. In 1974 the base closed at which time the civilian members moved the ham club off base and re-named it The Moose Horn Amateur Radio Club. The club has continued without interruption to the present. This club has participated in the annual ARRL field day since the days of army MARS only missing a few times over the years. Club members provided communication after the 1964 earthquake handling mostly health and welfare traffic on 20, 40 and 75 meters until they were no longer needed. The club provided communication during the 1968 forest fire on the Kenai Peninsula. Dog race communication has been provided for the State championship dog race and later for the Tustumena 200, a 200 mile race, through the Caribou Hills.



BETHEL AMATEUR RADIO KLUB (BARK)

The Bethel Alaska Amateur Radio Klub,(BARK)is located in Bethel, Alaska. Bethel is approximately 400 air miles due west of Anchorage, Alaska and situated on the banks of the Kuskokwim River. BARK operates a 2 meter repeater, AL7YK, a 2 meter simplex IRLP node (#3465) on 144.7 Mhz and is affiliated with Amateur Radio Emergency Services(ARES). BARK also supports public service events such as the Emergency Preparedness Drill, YKHC's Influenza Clinic and the Kuskokwim 300 Race. BARK meets the first Wednesday of every month at 7PM in the Civil Air Patrol Hangar at the Bethel Municipal Airport. Anyone, amateurs or non-amateurs, are welcome to attend.



SEWARD PENINSULA AMATEUR RADIO KLUB (SPARK)

Dedicated to the art and science of HAM Radio by enhancing individual operational and technical skills, providing communications during local and national emergencies, and expanding the hobby of amateur radio. The club supports a repeater in the Soldotna - Kenai area of Alaska. The antenna is located at an elevation of 200' above ground level on a 225' hill 1.5 miles north of Soldotna, Alaska. The MHARC meets once per month on the first Thursday of the month. Locations are announced via email and local repeater. Meeting time is 7:00pm. All persons interested in Amateur Radio are invited to attend. www.moosehornarc.com.



Support the Young Ladies' Radio League scholarship and take home a commemorative Alaskan Polar Bear!!!

Compete for the bears, decorated by Carol Bush—KL2FA, at the Silent Auction in the banquet hall. Bidding will close at 1:00 pm on Sunday, and winning bids will be announced at Josephine's at 5:00 pm that evening. All proceeds will go toward the YLRL scholarship to encourage the education of women in the sciences.

Look for these vendors in the exhibit hall.

Buddie Pole



AMSAT™

Western Case Company

Idiom Press

POLAR WIRE

VIS Amateur Radio Supply



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Tech House

Micro-Node

Rocked the Hall with Heil

Thank You

to our vendors for helping to make this 2008 Hamfest possible.

Guest Speakers: Presentations & Biographies

Saturday at 9:30 am



Lyle Johnson, KK7P, presents:

AMSAT-OSCAR-51: Birth of an Amateur Satellite

Kuskokwim Room (East)

In late 2002 AMSAT-NA wanted to produce a spacecraft that would be flexible, easy to use, and possible to construct in a short time with limited resources. In June, 2004 AMSAT-OSCAR-51 was launched from the Baikonur Cosmodrome, Kazakhstan. Join Lyle as he describes the assembly of AO-51, and takes you on the trip from Washington, D.C. to Baikonur for the launch.

About the Presenter:

Lyle was first licensed at age 13 and Amateur radio has been a lifelong passion. As WA7GXD, he co-founded Tucson Amateur Packet Radio in 1981 and designed the TAPR TINC, spearheading packet radio in the 1980s. For this work, he received the first-ever Dayton Hamvention Technical Excellence Award in 1984.

In 1983 he designed the Digital Communications Experiment for UOSAT-OSCAR-11, launched in 1984. he has designed flight computers and other systems for numerous AMSAT spacecraft since then. In 2004, he traveled to the Baikonur Cosmodrome in Kazakhstan in support of the AMSAT-OSCAR-51 integration and launch. No, he did not see Borat...

Upon moving to Washington State in 2000, he changed his call sign to KK7P and immersed himself in DSP, designing the KDSP2 product in early 2003. This led to his joining Elecraft where he has worked on the K3 transceiver since June, 2003.

Lyle is currently employed by Elecraft, does consulting in the broadcast and space industries, and donates time to the HPSDR project.



Jeff (Shorty) Stouffer, K6JSI, presents:

IRLP: How the IRLP Works... What is Necessary to Make it Work

Kuskokwim Room (West)

We will discuss how the IRLP Works, hardware requirements, radio requirements, coordination issues for simplex nodes, adjustments and getting on the air.

About the Presenter:

Shorty, K6JSI, has been a licensed radio amateur for 55 years, and holds an Extra Class amateur radio license. He was first licensed in 1953 as a Novice Class amateur (at age 12), as KN6JSI, and upgraded to General Class in the summer of 1954 (within the one year limitation), and got rid of the "N" in his call sign.

Shorty owns and operates the WIN System, the Western Intertie Network, a linked repeater system a series of linked, or Intertied, UHF (440 MHz, or 70 cm), currently with 63 linked repeaters in the System, covering 16 states and 4 countries around the world, all linked together full-time. The WIN System is an open repeater sys-

Booth Number	VENDOR
1	ARRL
2	FCC
3	Western Case Company
4	Western Case Company
5	Buddi-Pole
6	Micro-Node
7	HEIL
8 & 9	HRO
10 & 11	BOOKS ETC.

Booth Number	VENDOR
12 & 13	ICOM
14 & 15	ICOM
16	NCG
18	Polar Wire Renewable Energy
20	AMSAT
21 & 22	YAESU
23	Alaska Diesel Electric

TABLE SALES	VENDOR / Organization
A	Elmendorf Amateur Radio Society, EARS
B	Augie Heibert Books Sales / YLRL
C	MARA
D	YARA
E	
F	Marty, W7APM
G	Cliffside Amateur Radio Club, WL7WE
H	Russian Robinson Club
I	
J	Sam Chrisbens, N0EKI
K	Mary Salamanchuck, KL7JEF
L	PARKA

EXHIBIT HALL

VENDORS

Schedule of Events—Friday and Saturday

		SATURDAY AUGUST 2, 2008					
		8:00	REGISTRATION				
		8:30	Table Sales Setup				
		9:00	EXHIBIT HALL TABLE SALES VENDORS				
		9:30		<table border="1"> <tr> <td>Scott Honaker, D-STAR 101</td> <td>IRLP Jeff 'Shorty' Stouffer, K6JSI</td> <td>Lyle Johnson KK7P AMSAT-OSCAR 51: Birth of an Amateur Satellite</td> </tr> </table>	Scott Honaker, D-STAR 101	IRLP Jeff 'Shorty' Stouffer, K6JSI	Lyle Johnson KK7P AMSAT-OSCAR 51: Birth of an Amateur Satellite
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		10:00		<table border="1"> <tr> <td>NEIL HEFT KC2KY History of Amateur Radio</td> <td>Wise Morgan, WX7P Construction of a 4-Square Array</td> <td>W5YI: VE TESTING How a question pool is determined?</td> </tr> </table>	NEIL HEFT KC2KY History of Amateur Radio	Wise Morgan, WX7P Construction of a 4-Square Array	W5YI: VE TESTING How a question pool is determined?
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		10:30					
		11:00					
		11:30					
		12:00		Luncheon			
		12:30		Augie Hiebert Memorial (Elected Officials present)			
		13:00	12PM - 1:30				
		13:30					
		14:00	SPECIAL EVENT STATION				
		14:30		<table border="1"> <tr> <td>Clint Hurd, KK7UQ DIGITAL RADIO</td> <td>Gordon West WB6NOA Tropospheric Ducting</td> <td>HAARP (Paul Bernhardt)</td> </tr> </table>	Clint Hurd, KK7UQ DIGITAL RADIO	Gordon West WB6NOA Tropospheric Ducting	HAARP (Paul Bernhardt)
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		15:00					
		15:30					
		16:00					
		16:30					
		17:00		<table border="1"> <tr> <td>AMSAT Drew Glasbrenner, KO4MA</td> <td>Ed Cole, KL7UW VHF and above in Alaska</td> <td>Lyle Johnson, KK7P Digital Communications Without a PC: Beyond</td> </tr> </table>	AMSAT Drew Glasbrenner, KO4MA	Ed Cole, KL7UW VHF and above in Alaska	Lyle Johnson, KK7P Digital Communications Without a PC: Beyond
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		17:30		ARRL Forum (4:30PM - 5:30PM)			
		18:00	No Host Bar: Mezzanine (6:00PM - 6: 45PM)				
		18:30					
		19:00	BANQUET DINNER: 7PM 8:00PM Mr. Whitekeys: WHALE FAT FOLLIES				
		19:30					
		20:00					
		20:30					
		21:00					
		21:30					
		22:00					
		22:30					
		23:00					
		23:30					
		0:00	Royal Order of the Wouff Hong Ceremony				
		0:30					

FRIDAY 8/1	
SETUP	
0800 - 1200	
REGISTRATION	EME Tour
12:00	
12:30	
13:00	
13:30	
14:00	
14:30	
15:00	
15:30	
16:00	
16:30	
17:00	Welcome Party Bar-B-Q Park Strip
17:30	
18:00	
18:30	Hosted by MARA
19:00	
19:30	TRANSMITTER HUNT ANCHORAGE
20:00	
20:30	
21:00	
21:30	
22:00	
22:30	

Schedule of Events—Sunday and Monday

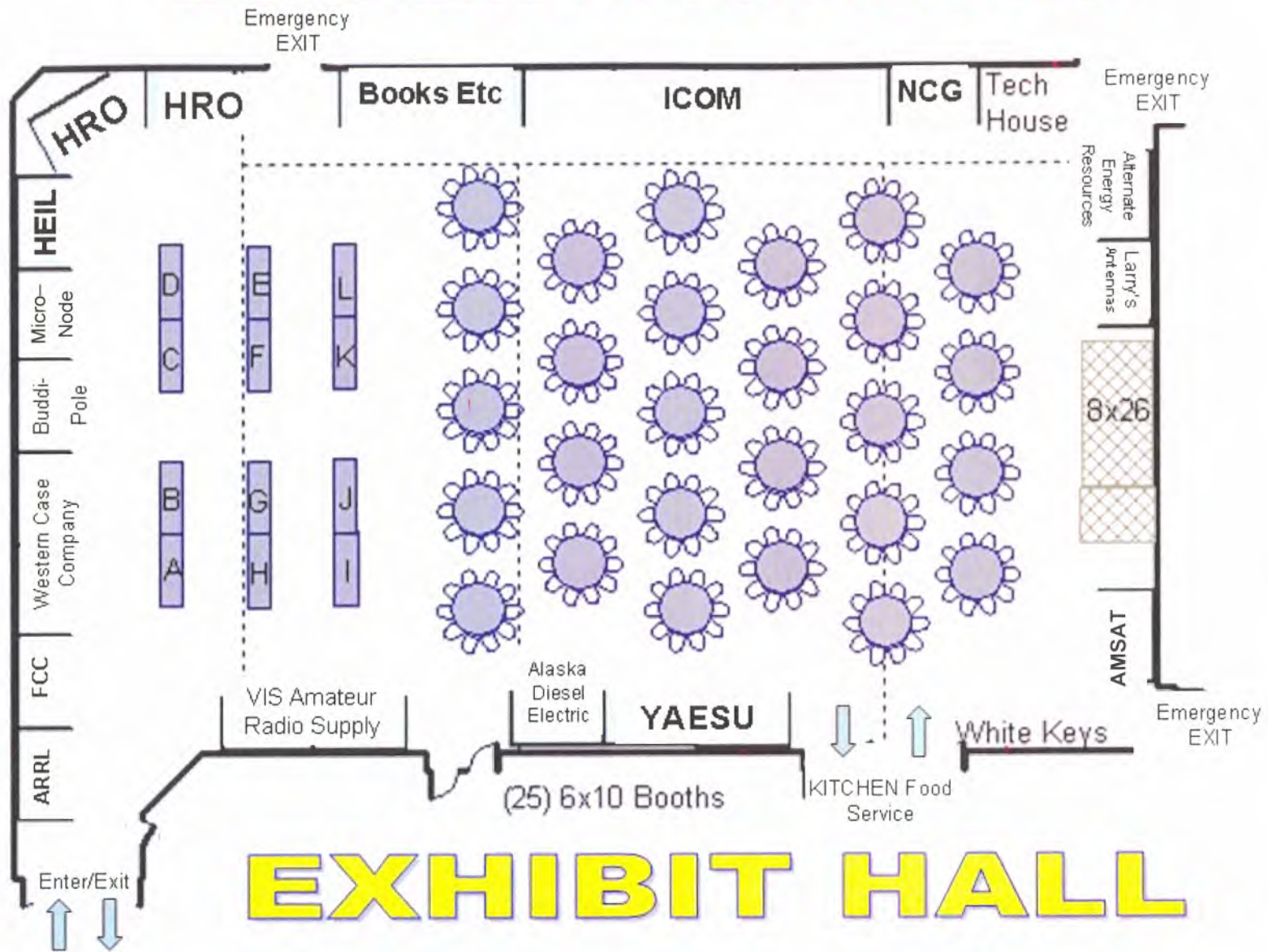
SUNDAY AUGUST 3, 2008				MON 8/4	
8:00	REGISTRATION OPEN			HAARP TOUR	
8:30	EXHIBIT HALL / VENDORS	Scott Honaker, D-STAR 102	Gordon West WB6NOA BI-DIRECTIONAL PORTABLE GPS MAPPING / APRS		AMSAT Drew Glasbrenner, KO4MA
9:00			Neil Heft, KC2KY Troubleshooting and Test Equipment		WINSYSTEM Jeff (Shorty) Stouffer, KL7JSI
9:30					
10:00		Buffet Lunch			
10:30		Country Store Auction			
11:00					
11:30					
12:00					
12:30					
13:00					
13:30					
14:00		Steve Hatch WA7DAD D-Star Server Internet Connectivity	Chip Margelli, HEIL SOUND		Lyle Johnson, KK7P Development of the Elecraft K3: The Audacity of Passion
14:30					
15:00					
15:30					
16:00	YURI SUSHKIN, N3QQ				
16:30	KL7DX IOTA DX-pedition				
17:00					
17:30					
18:00					
18:30	Closing Ceremony (RAFFLE PRIZE Drawings)				
19:00	Josephine's (Top floor of the Sheraton)				
19:30					
20:00					

SPECIAL EVENT STATION

EXHIBIT HALL / VENDORS

HAARP TOUR

ARRL ALASKA CONVENTION



tem, and also has several remote bases available for members. The WIN System is also very involved with the IRLP (Internet Radio Linking Project) with over 2,100 Nodes worldwide, enabling the WIN System to talk with other amateurs on every continent in the world and WINSYSTEM Affiliates.



Scott Honaker, N7SS, presents:

D-STAR

Yukon Room

Computers started the digital revolution but now even TV, music and video is delivered digitally. Ham radio has been slow to follow. Now D-STAR offers features specifically for ham radio that have not been available before. Come see what this new technology offers.

About the Presenter:

Scott, N7SS, is a founding member of the Microhams (Microsoft Amateur Radio Club) and the current president. He has been organizing the ham radio classes for the Microhams for several years. Scott is also the Snohomish County (Washington) RACES radio officer and has a keen interest in digital communications.

Saturday at 10:30 am



Pete Trotter, KB9SMG, with Gordon West, WB6NOA, present:

W5YI: VE TESTING How a Question Pool is Determined

Kuskokwim Room (East)

Author Gordon West and Publisher Pete Trotter will discuss the development of the FCC Amateur Radio question pools, the book development process, and solicit input from the audience about their ideas for important questions that should be asked for the next revision of the Element 2 Technician Class question pool. Ever heard of Sven Pedersen? Come to this presentation and learn some interesting ham history!!

About the Presenter:

Pete Trotter is the publisher of the Gordon West amateur radio study materials, books, audio courses, and study software. Gordon West is the leading author of study materials for amateur and commercial radio FCC license exams.



Neil Heft, KC2KY, presents:

The History of Amateur Radio

Kuskokwim Room (West)

A tour of the History of Amateur Radio from the pioneers of electromagnetic theory to the 21st century.

About the Presenter:

Neil received his first ham call sign (WN2UDP) when he was a 12 year old lad living in Stony Brook, NY. Neil spent many a lunch hour in the club shack working DX on 15 meter CW. By 1973, Neil was just about able to copy 13 words per minute and upgrade to Advanced, about a month after his Novice license expired.

Neil finished college receiving a Bachelor of Science degree in Electrical Engineering. By then, his Advanced call, WA2UDP, had been expired for a year and a half. When Neil renewed his license in 1981, he was issued his present call sign, KC2KY. In 1987, Neil upgraded to Extra Class.

Neil works as an Electrical Engineer on Long Island and is an active member of Radio Central Amateur Radio Club. Over the years, he has held various offices at RCARC including Recording Secretary, Vice President, and club President in 1993 and 1994. Today Neil is President of Radio Central and is editor of Radio Central's club newsletter, Random Oscillations. He is also a contributor to Ham Radio University.



Wilse Morgan, WX7P, presents:

40 Meter 4-Square Array

Sponsored by John Orella, KL7LL

Yukon Room

Learn all about how to construct a 40 meter 4-square array as Wilse shares his experience of the 4-square array at WX7P in Rice, Washington.

About the Presenter:

Wilse, WX7P, was first licensed in 1952 at the age of 20, sporting his Novice ticket call of WN6PVF. He entered the navy and served during the Korean War. When discharged in September of 1954, he made use of the GI Bill and completed a five year course in math and electronics at Cal Poly in San Luis Obispo receiving a BS degree 1959.

After two years of special training at the FAA academy in Oklahoma City in communication, air navigational aids, and radar, he transferred to the FAA office in Seattle where he found himself still doing field work and inspections of FAA facilities.

Once in Alaska, he worked for Federal Electric on the White Alice Communications System that linked the radar networks that watched Russia during the Cold War.

Best known for his work in Alaska as KL7CQ, with two 90 foot towers and two 60 foot towers with Telrex beams in the Rabbitt Creek region near Anchorage. He was quickly working the very first satellites as well as doing lots of DX contesting. As a member of the Anchorage Amateur Radio Club, he served in different positions for 18 years and also became the number 1 life member of the AARC. KL7CQ left Alaska on October 4, 1989, but not before installing a large beam antenna with a hot air balloon and subsequently the same project with a helicopter. Both of these projects ended up being featured on the cover of CQ Magazine.

During his 20 year tenure in Alaska, he taught courses in ham radio at multiple universities graduating over 800 licensed hams. He was involved with the very first VEC exam in the nation and was the first VE and the only one ever certified by the local FCC office in Anchorage. All other VEs subsequently were certified by volunteer examiner boards. Roger Hansen, KL7HFQ, was the Chairman of the VEC committee. Roger, Wilse, and YL KL7KL, Margaret Ogren, administered the first exam ever given in the U.S. on April 17, 1984.

Saturday at 2:00 pm



Clint Hurd, KK7UQ, presents:
Optimizing Performance in Digital Radio

Kuskokwim Room (East)

This presentation is done in two sessions. Session 1 covers the basics of sound card digital radio using PSK31 and other modes. This session looks at hardware and software used in these modes. Session 2 covers advanced techniques to optimize performance. The use of Ham Radio Deluxe and MixW software will be featured in this presentation.

About the Presenter:

Clint, KK7UQ, was first licensed at age 14 in 1953 as WN7WJK, and advanced to General four months later. The experience provided by amateur radio started a life-long career in computer design and telecommunications. After retirement, he has been involved in all aspects of digital radio, publishing designs, manuals and articles about interfacing and operating techniques.



Gordon West, WB6NOA, presents:
Tropospheric Ducting on VHF/UHF

Kuskokwim Room (West)

Listen to record breaking tropo contacts on 2 meter and up between the West Coast and Hawaii! Learn what atmospheric conditions trigger the wave guide-like refraction that bends VHF/UHF radio waves over thousands of miles within a high pressure system. Track local weather conditions in Alaska that bring in VHF/UHF range enhancements, and see a laser demo of the refractive index in motion! Gordo will keep you informed and entertained.

About the Presenter:

Known as "Mr. Ham Radio" and considered one of the leading radio licensing teachers in the United States. Gordo is very active with emergency communications for RACES and American Red Cross in Southern California. Gordo is a wonderful speaker, and his talk is sure to entertain. He has been a ham for more than 40 years and holds the top Extra Class license. He also holds the highest FCC commercial radiotelephone operator license, the First Class General Radiotelephone Certificate with Radar Endorsement.



Paul Bernhardt, KF4FOR, presents:
High Frequency Active Auroral Research Program

Yukon Room

The amateur radio community is very aware of propagation for HF waves using the ionosphere. Imagine if instead of 2 KW, the transmitter power was 2000 kW with an antenna gain of 30 dB. This powerful transmitted radio beam would not only be easily detectable, it would also change the ionosphere near height of the HF wave reflection. This is the kind of power provided by the High Frequency Active Auroral Research Program (HAARP) transmitter located near Gakona Alaska. With very high power, the ionosphere responds with electron acceleration to produce artificial aurora, electron irregularities aligned with the magnetic field, and even re-transmission of HF waves with new sidebands around the transmitter frequency. These and other

non-linear effects in the ionosphere will be described with measurements made at the HAARP facility.

About the Presenter:

Dr. Paul Bernhardt is an electrical engineer with a PhD from Stanford University. He is a Fellow to the Institute for Electrical and Electronic Engineers. Paul Bernhardt has published over 100 papers on ionospheric physics including one QST article on the "Great Ionospheric Hole Experiment" in 1979.



Lyle Johnson, KK7P, presents:

Digital Communications Without a PC: Beyond Morse Code in the Field

Kuskokwim Room (East)

Portable operation with CW and voice modes is commonplace and enjoyed by many. Operation of digital modes, like RTTY and PSK31, requires a portable computer—or does it? In this talk, Lyle will explore what is required for typical digital mode operation, and show unorthodox methods for such operations without the use of a laptop PC or PDA.



Saturday at 3:00 pm



Ed Cole, KL7UW, presents:

VHF and Above in Alaska

Kuskokwim Room (West)

Ed will discuss the VHF operations in the Alaska region.



About the Presenter:

Ed's ham interests are VHF+ weak-signal, satellite, EME, meteor scatter and microwave. He has a station with HF-10 GHz capability. Currently operate 2m-EME and building for EME on 23 cm, and 3 cm. Satellite operation is 10m-2m-70cm-23cm-13cm and eventually 3cm.

He is an AMSAT Area Coordinator in Alaska, Alaska volunteer coordinator for the SETI-League, and Kenai Peninsula ASM. Also member of Anchorage ARC, MooseHorn ARC, ARRL, SARA, SBMS, NTMS, RMG, PNWVHFS, CSVHFS, and founder of the Alaska VHF-Up Group.



Andrew Glasbrenner, KO4MA, presents:

Amateur Satellites Today, and Tomorrow

Yukon Room

An overview of current AMSAT satellites and activities, and a look at what's under construction and on the drawing board. Question and answer session at the end of the presentation.



About the presenter:

Andrew (Drew) Glasbrenner, KO4MA, is the AMSAT Vice-President of Operations, member of the Board of Directors, and an active satellite operator. Licensed at 13, Drew has been active on satellites beginning with RS-12, MIR, and DO-17, and has operated from over a hundred grid squares and several Caribbean DXCC countries.



Saturday at 4:30 pm to 5:30 pm



ARRL Northwest Division Director
Jim Fenstermaker, K9JF, and ARRL
President Joel Harrison, W5ZN, host:

ARRL Forum

Kuskokwim Room (East)

About the Facilitators:

Joel Harrison, W5ZN, is President of the American Radio Relay League (ARRL). First licensed as WN5IGF in 1972, Harrison went on to get his General, Advanced and Amateur Extra tickets WB5IGF. Harrison started his volunteerism with the League in 1981 after becoming a Section Emergency Coordinator in Arkansas. He then became a Section manager, Delta Division Director, Vice President, and First Vice President in 2000. Harrison currently sits on the League's Executive Committee. He previously served as chair of the Enforcement Task Force and of the Administration and Finance Committee.

His education includes Industrial Electronics at Arkansas State University, Robotics at Carnegie Mellon University and then studied Nuclear Science at the Electric Power Research Institute in California. Harrison is Director, NDE Engineering for Washington Group International, and lives in Judsonia, Arkansas, with his wife Kim, KB5YIQ, son Marc, WB5IGF, and daughter Melissa, KC5BYT.

Jim Fenstermaker, K9JF. American Radio Relay League structure divides the United States into 15 ARRL Divisions. Every three years the ARRL full members in each of these Divisions elect a Director and a Vice Director to represent them on the League's Board of Directors. The Board determines the policies of the League, which are carried out by the Headquarters staff. A Director's function is principally policy-making at the highest level. Each division's Director and Vice Director represent their Division on ARRL policy matters. Jim was appointed in 2005 and re-elected in 2007 as the Northwest Division Director. Jim is an active DX contester and amateur radio enthusiast.



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Sunday at 9:30 am

Andrew Glasbrenner, KO4MA, presents:

Amateur Satellites Today, and Tomorrow

Kuskokwim Room (East)

An overview of current AMSAT satellites and activities, and a look at what's under construction and on the drawing board. Question and answer session at the end of the presentation.

Gordon West, WB6NOA, presents:

BI DIRECTIONAL PORTABLE GPS MAPPING / APRS, LIVE GEAR DEMO

Kuskokwim Room (West)

Back by popular demand, Gordon presents an action-packed no-talking-head no-PowerPoint all live gear demo of BI DIRECTIONAL PORTABLE GPS MAPPING / APRS , LIVE GEAR DEMO Gordo brings you the sounds of past positioning ,from Loran and Omega , Consolan and RDF , Transit , and finally Navstar GPS! See live demonstrations on how GPS actually works (not triangulation , but rather trilateration , in Femto seconds) and learn about a new breed of portable GPS mapping equipment, tied into ham radio gear for APRS, in BOTH directions!

Scott Honaker, N7SS, presents:

D-STAR

Yukon Room

(Continued from morning session.) Computers started the digital revolution but now even TV, music and video is delivered digitally. Ham radio has been slow to follow. Now D-STAR offers features specifically for ham radio that have not been available before. Come see what this new technology offers.

Sunday at 10:30 am

Clint Hurd, KK7UQ, presents:

Optimizing Performance in Digital Radio

Kuskokwim Room (East)

This presentation is done in two sessions. Session 1 covers the basics of sound card digital radio using PSK31 and other modes. This session looks at hardware and software used in these modes. Session 2 covers advanced techniques to optimize performance. The use of Ham Radio Deluxe and MixW software will be featured in this presentation.

Jeff (Shorty) Stouffer, K6JSI, presents:

Linking Repeaters: Linking Repeaters Together to Extend Radio Coverage
Kuskokwim Room (West)

We will discuss three ways to link repeaters together: 1) looking at a repeater like a mobile; 2) Half-Duplex linking; 3) Full-Duplex linking. How to do keying and audio, pre-emphasis and de-emphasis for audio through-put, and reliability solutions.



Neil Heft, KC2KY, presents:

Troubleshooting and Test Equipment

Yukon Room

A survey of test equipment and how to use it to troubleshoot your equipment.



Sunday at 1:00 pm



Lyle Johnson, KK7P, presents:

Development of the Elecraft K3: The Audacity of Passion

Kuskokwim Room (East)

How does a small company with limited resources and a geographically diverse engineering staff successfully create a world-class HF transceiver? Certainly, 21st century technology enables. But it also takes passion...



Steve Hatch, WA7DAD, presents:

D-Star 2nd Generation ToolKit

Kuskokwim Room (West)

This session is for anyone interested in learning about D-Star's second generation capabilities. We'll start off with a quick overview of basic D-Star concepts before digging into the latest advancement in gateways, reflectors, the DV Dongle, and Data applications. The D-Star network is growing at an amazing rate. Come find out what all the excitement is about.

About the Presenter:

Steve Hatch—WA7DAD is the D-Star committee chair and board member of the Federal Way Amateur Radio Club. He led the club's implementation of the first D-Star connected gateway system in the Northwest United States. Steve is a Certified Information Systems Security Professional and specializes in encryption and remote access for the Boeing Companies IT Security Group.



Chip Margelli, K7JA, presents:

The Science of Top Quality SSB Audio

Yukon Room

Great-sounding audio doesn't just happen. It's the result of a solid knowledge of physics, electronics, and human physiology. Heil Sound's Chip Margelli, K7JA, will be there to demonstrate how to get the most out of your rig and how to choose the best microphone or headset for your operating applications.

About the presenter:

Chip Margelli, K7JA, has been licensed since 1963, and an Extra Class licensee since 1968. Chip and his wife Janet, KL7MF, live in Garden Grove, California. Chip is the Vice President for Amateur Sales, Marketing Manager at Heil Sound, Ltd., and a Life Member of ARRL, AMSAT, and Quarter Century Wireless Associations. In the Fall of 1991, Chip was a member of the Instructor/Operator team in the IARU Albania Project, led by Martti Laine, OH2BH, which brought about the rebirth of Amateur Radio in Albania after many decades of radio silence. Chip is currently active on all Amateur bands from 1.8 through 1300 MHz, including HF DX and contesting, VHF weak-signal terrestrial and moon bounce work, and satellite operation. Articles by Chip have been published in QST, CQ, and CQ VHF magazines.



Sunday at 3:00 pm



The Russian Robinson Club

KL7DX Team presents:

Chuginadak Island DX-pedition IOTA NA-234

Kuskokwim Room (East)

The Russian Robinson Club will be coming directly off of their DX-pedition from the Cleveland Island Volcano to provide a debrief of their efforts, challenges, and successful accomplishments from this Island on the Air DX-pedition scheduled to operate July 21st through July 27th, 2008. Their team has prepared information and news about insular, arctic and maritime activities in radio amateur publications around the world.

About the Presenter:

The Russian Robinson Club is interested in radio communication from polar stations, islands and maritime mobile objects around the world. The club was founded in 1993 and encourages operations by amateur radio operators operating on islands, drift-ice research, arctic and marine stations, and DX-peditions. The radio club has popularized the Island on the Air (IOTA) program in the territories of Russia and other countries. They provide publicity for amateur radio activity on islands in Russia-governed islands and the islands around the world, they have provided inspiration and promotion of amateur radio programs including the CSCC, IOTA and Russian Amateur Radio Operators.

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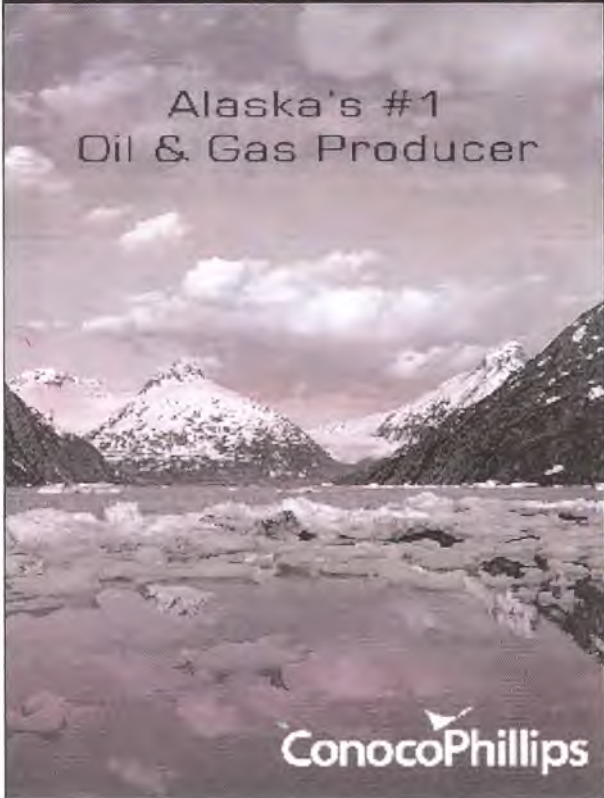
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