

Anchorage Amateur Radio Club

Meeting on October 5th

IN THIS ISSUE:

Regular HAM Gatherings
VEC Report

General Meeting Minuets
And Much Much More

Officers

President	Randy Vallee, AL7PJ
Vice President	Jim Larsen, AL7FS
Secretary	Keith Clark, WL7CSR
Treasurer	Richard Block, KL7RLB
Trustee	Jim Feaster, KL7KB
Activities Chairman	TJ Sheffield, KL7TS
News Letter Editor	Edythe Lynn KL7EL
Membership Chairman	Fred Erickson KL7VC
Past President	John Lynn, KL7CY

Three Year Board Members

Bruce McCormick WL7YR
Mike Borer, WL7CKB
David Stevens KL7EB

One Year Board Members

Hannelore Kelliher, NL7EA
Mark Kelliher, KL7TQ
Jim Tvrdy, KL7CDG
Bill Reiter, KL7ITI
Frank Bratt, KL7FSE
Rob Smith, AL7ML

AARC web page & Email contact addresses:

Homepage: <http://home.gci.net/~lawson/>
Email Reflector: KL7AA@QTH.NET
Webmaster: lawson@gci.net
President: vallee@gci.net
Membership: frederickson@iname.com
Newsletter: kl7el@arrrl.net

News Letter Submissions, Information or corrections:

Submissions must be received 2 weeks before meeting
Email: KL0EO@arrrl.net Facsimile: 907-338-4791
Mail: 7013 Trafford Ave. Anchorage 99504

KL7G CODE PRACTICE SCHEDULE

Schedule: 7:00am, 10:00am, 4:00pm, 7:00pm, 10:00pm
AK time, every day Frequencies: 3575 kHz, 7075 kHz &
145.35 MHz: Sending Speeds: 7 wpm

Nets in Alaska:

The following nets are active in South-central Alaska:
Alaska Sniper's Net 3.920 MHz 6:00 PM daily
Alaska Bush Net 7.093 MHz 8:00 PM daily
Alaska Motley Net 3.933 MHz 9:00 PM daily
Alaska Pacific Net 14.292 MHz 8:00 AM M-F
850 No Name Net 146.85/.25 repeater Sundays 8:00 PM
Son of Sideband Net 144.20 USB Mondays 9:00 PM local
Big City Simplex Net 146.520, 446.0, & 52.525 FM Packet
145.01 Tuesdays 8:00 PM local
ARES net 147.30/.90 repeater Thursdays at 8:00 PM local
PARKA net 147.30/.90 Thursdays at 9:00 PM local

Anchorage & Mat Valley Area Repeaters

KL7AA systems at Flattop Mt., 2,200 ft
146.94/34 MHz, 80 watts, autopatch, 100/141.3 Hz PL
224.94/223.34, 25 watts, no patch, no PL
444.70/449.70, 25 watts, autopatch, 123.0/141.3 PL
KL7CC, Anchorage Hillside, SCRC & QCWA
146.97/37 MHz, 30 watts, autopatch, 103.5 Hz PL
KL7M Anchorage Hillside
147.21/81 MHz, Internet Iphone, 103.5 Hz PL
KL7ION at Mt. Gordon Lyon 3,940 ft
147.30/90, MHz - 80 watts, no patch, no PL
KL7AIR Elmendorf AFB, EARS
146.67/.07, 107.2 Hz PL
KL7DJE at Grubstake Peak, 4,500 ft.
147.09/.69 MHz, 25 watts, no patch, 100 Hz PL
444.925/449.925, 10 watts, no patch, 141.3 Hz PL
KL7JFU, KGB road, MARA club
146.85/.25, autopatch, no PL
KL7DOB, Wasilla in WL7BD's tree
146.64/.04, simplex patch, no PL
KL7AA, Mt. Alyeska, 2,400 ft.
146.76/16 MHz, 25 watts, no patch, 141.3 Hz PL

South Central Area Simplex Frequencies

146.52 Mhz Calling and Emergency frequency
147.57 / 447.57 (crossband linked) HF spotters & chat, 103.5
HZ PL
146.49 Mhz Anchorage area simplex chat
146.43 MHz Mat Valley simplex chat
147.42MHz Peninsula simplex chat


~~~ **HOT LINKS** ~~~

Internet Web links, the favorites from our readers

AARC <http://home.gci.net/~lawson/>

SCRC <http://www.KL7G.org>

EARS <http://www.qsl.net/kl7air>

MARA <http://www.obarr.net/mara/>

Moose Horn ARC <http://www.alaksa.net/~kl7fg>

ARES <http://www.qsl.net/aresalaska>

KL7J <http://www.alaska.net/~buchholz>

Fairbanks AARC: <http://www.kl7kc.com/>

Yukon Amateur Radio Association:

<http://www.klondike.com/yara/index.html>

HAARP Project:

<http://server5550.itd.nrl.navy.mil/projects/haarp/>

<<Amateur Radio Reference Library>>

<http://www.area-ham.org/library/libindex.html>

Hamradio: <http://www.hamrad.com/>

Solar Terrestrial Activity <http://209.130.27.95/solar/>

ARRL <http://www.arrl.org/>

Propagation Report Recording 566-1819

*Please let us know if there are other clubs pages or good starting points that should appear here*

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**ABACUS RADIO REPAIR**

**Factory authorized service for: Kenwood, ICOM,**

**Yaesu, Alinco, Amateur radio equipment.**

**Call Jim Wiley, KL7CC (907) 338-0662**

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**NEWSLETTER ARTICLES;** All articles from members and interested persons are very welcome. If you wish to submit any articles, jokes, cartoons, please have it typed or neatly handwritten. It can be submitted by computer disk, fax, or E-mail to the newsletter editor at the address listed on the cover. Submissions must be in the hands of the editor at least two weeks prior to the meeting.

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**MISTAKES!**

*If you find any mistakes in our newsletter, especially in the spelling of words, please consider that they are there for a purpose.*

*We publish something for everyone to keep everyone happy, especially those who are always looking for mistakes.....Keep smiling, your Editor*

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**Regular HAM Gatherings:**

**LunchTuesdays, 11:30 AM to 1:00 PM:** Join the gang for lunch and an eyeball QSO at the Royal Fork, "South, on Old Seward Highway.

**Breakfast Saturdays, 7:30 AM:** Here is a great way to get started on the week-end come and meet with some of the locals and have a great breakfast at Phillips Restaurant, at the corner of Arctic and International. Great Fun.

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**THIS MONTH'S EVENTS**

**October 2nd: EARS general meeting at 7:00 PM 1<sup>st</sup>** Tuesday of the month, in the basement of Denali Hall (building 31-270) on Elmendorf AFB. Talk in on 147.67/.07 repeater.

**October 2nd: VE License Exam 6:30 PM,** 1<sup>st</sup> Tuesday of the month at the Hope Cottage offices, 540 W International. Bring photo ID, copy of license (if any) and any certificates of completion.

**October 5th: AARC general meeting at 7:00 PM 1<sup>st</sup> Friday** of the month in the Carr-Gottstein Building, on the APU Campus. Talk in will be on 147.300.

**October 5th & 19th: Moosehorn ARC general meeting at 7:00 PM** every other Thursday in the Soldotna Borough q3Offices on North Binkley. Talk in on 146.88 repeater or 147.42 simplex.

**October 12th: SCRC meeting at 7:00 PM** the 2<sup>nd</sup> Friday of the month at Denny's on Debarr & Bragaw. Talk in on 147.57 simplex.

**October 13th: VE License Exams at 2:00 PM.** 2<sup>nd</sup> Saturday of the month at Hope Cottage 540 W. International. Be sure to bring photo ID, copy of license (if any) and any certificates of completion.

**Oct. 13th: PARKA Meeting at 11:00 AM.** 2<sup>nd</sup> Saturday of the month at Peggy's, across from Merrill Field

**October 16th: AARC Board meeting at 7:00 PM 3<sup>rd</sup>** Tuesday of the month at **Hope Cottage** 540 W. International.

**October 20th: ARES General meeting 9:30 AM to 12:00 PM.** 3<sup>rd</sup> Saturday of the month. Will be held at Alyeska Building on Bragaw Street

**October 26th: MARA meeting at 7PM** the last Friday of the month at the MTA Business Office in Palmer.

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## **QST - QST - QST - QST - QST - QST - QST - QST - QST - QST**

The AARC Board is looking for a few good people.

The Board needs to fill the last two months of a one-year Board term. Anyone who may be interested, in this appointment, please contact Club President Randy Vallee, AL7PJ, at 333-7219 or 565-5319.

Also, the nominating committee is beginning to compile the slate of names for the election at the November meeting. Anyone interested in running for Club office, Please contact one of the following;

Keith Clark, WL7CSR, akbs@gei.net  
John Lynn, KL7CY, kl7cy@arrl.net  
Peter Bailey, WL7BW, windsman@alaska.net

We will also be accepting nominations from the floor at the October General Membership meeting

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### **VEC Report**

One AARC VEC testing session was held in each of the following locations during July as follows: Fairbanks, Soldotna, Valdez, Anchorage, and Kenai. The following table provides some basic statistics for August and the past 12 months:

|                                    | Aug 2001 | Past 12 Mths |
|------------------------------------|----------|--------------|
| Sessions                           | 5        | 59           |
| Number Tested                      | 15       | 351          |
| Licenses Granted (new or upgrades) | 12       | 174          |
| Passed Elements                    | 14       | 237          |
| Failed Elements                    | 7        | 209          |
| Element Pass Rate                  | 80%      | 50%          |
| Pass Rate Change from previous mth | - 1%     | + 2%         |

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### **(UNAPPROVED)**

#### **Anchorage Amateur Radio Club General Meeting, September 7, 2001**

The AARC General Meeting was held on Friday, September 7, 2001, at The Carr-Gottstein Building on the APU Campus. The meeting was opened by President Randy Vallee, AL7PJ at 7:08 p.m.

Activities Chairman T.J. Sheffield, KL7TS, introduced our guest speaker for the evening Mike Doogan. Mr. Doogan gave

an informative lecture on the newspaper business and answered questions about his work.

There was a brief notice that the Christmas Party would be at the Elmendorf Officers Club in the Denali Room, on 12-7. 5:30 for cocktails and 6:30 for dinner.

After a short break Jim Wiley, KL7CC, made a motion to accept the minutes from the last meeting. Mike Borer, WL7CKB, seconded the motion and it passed unanimously.

### **Treasurer's Report:**

Richard Block, KL7RLB, says that we are in good shape, and that he has a full written report if anyone wishes to review it. He did have three items to discuss.

He noted that following the Board's approval, he introduced Lynn Hammond, KL7IKV, as Assistant Treasurer. Lynn will assist in all financial areas but without signature authority. He then advised that the Life Membership account and the Building account had been reinvested in a new investment strategy. 70% in a high yield bond fund, and 30% in a value equity fund.

The final item was that the current CPA has finally gotten the entire delinquent filing caught up on our IRS, State, and Gaming reports.

John Lynn, KL7CY, noted that the gaming committee would also be interested in having another interested person involved.

### **Old Business**

#### **Hamfest Committee**

There are flyers for everyone to take to advertise the event. There is paperwork filed with the school district to be able to distribute to the schools. Jim Wiley, KL7CC, requests volunteers to help beginning at noon on Friday. At the banquet at the Royal Fork South, the guest speaker will be from the Anchorage Fire Dept. and will speak about the fire danger on the hillside.

Bill Reiter, KL7ITI, is the contact person for the Country Store.

#### **VEC Committee**

Jim Wiley, KL7CC, says to check the newsletter for a summary of activity.

Jim also advises that Corliss Kimmel, AL1G has volunteered to coordinate a Special Event Station during the Anchorage Fur Rendezvous.

John Lynn, KL7CY, advises that MARA will be doing a Special Event Station at the Iditarod.

President Randy, AL7PJ, discussed the issue of \$3,000.00 seed money for the Hamfest. Bill Reiter, KL7ITI, made a motion to approve the Board's recommendation to spend the money. John Lynn, KL7CY, seconded the motion and it passed by unanimous vote.

#### **New Business**



President Randy, AL7PJ, announced that Secretary Keith Clark, WL7CSR, was appointed as Chairman of the Nominating Committee, and asked if there were any volunteers to either run for Club office, or help on the committee. John Lynn, KL7CY, and Peter Bailey, WL7BW, stepped up to help on the committee.

There being no further business, Frank Pratt, KL7FSE moved to adjourn, the motion was seconded by Bruce McCormick, WL7YR, and the meeting was adjourned by President Randy Vallee, AL7PJ, at 8:57 p.m.

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### **(UNAPPROVED)**

## **Anchorage Amateur Radio Club Board Meeting, September 18, 2001**

The AARC Board Meeting was held on Tuesday, September 18, 2001, at Hope Community Resources Administrative Building at 540 West International Airport Way. The meeting was opened by President Randy Vallee, AL7PJ at 7:04 p.m. The following officers were in attendance: President Randy Vallee, AL7PJ, Vice-President Jim Larsen, AL7FS, Secretary Keith Clark, WL7CSR, Treasurer Richard Block, KL7RLB, and Past-President John Lynn, KL7CY. Also in attendance: Mike Borer, WL7CKB, David Stevens, KL7EB, Hannelore Kelliher, NL7EA, Frank Pratt, KL7FSE, and Rob Smith, AL7ML. AARC Club members, Lynn Hammond, KL7IKV, VEC Chairman Jim Wiley, KL7CC, and Membership Chairman, Fred Erickson, KL7FE were also present.

Minutes from the August 21st Board Meeting were reviewed. David Stevens, KL7EB, made a motion to accept. It was seconded by Frank Pratt, KL7FSE and passed unanimously.

### **REPORTS**

#### **Health and Welfare:**

No news reported.

#### **Membership Report:**

Fred, KL7FE, advises that we are up to 270 members as we picked up a few new members at the Hamfest. There was discussion about how the club encourages new hams to join.

#### **Treasurer's Report:**

Treasurer Richard Block, KL7RLB, says the everything is in pretty good shape. He advises that Lisa, our CPA, has all past due Federal and State taxes, and Gaming Reports have been filed and are current. He reports that the Hamfest made a profit of approximately \$500.00

#### **Hamfest:**

Jim Wiley, KL7CC, advises that the Hamfest and Banquet were indeed successful. He would like to see letters of thanks go to Hickie Investments, Mike ???, Gordon West, HRO, and the presidents of HRO and Yaesu.

#### **Gaming Committee Report:**

John Lynn, KL7CY, received gaming money in Sept. and also advises that the response to the State Gaming Commission has been filed, but no informal hearing has been scheduled as yet.

#### **VHF Committee Report:**

John, KL7CY, reported trouble with the link from Girdwood, and also that KL7M has set up a linked repeater from Girdwood. Simplex in Girdwood 146.52 linked to the 147.21 repeater in Anchorage.

#### **VEC Report:**

Jim Wiley, KL7CC, indicated things are running smoothly. He advises that there are a few new VE's, and that he is beginning to discuss the remote testing issue with other members of the study committee.

#### **ARES:**

Jim Wiley, KL7CC, says we received positive comments about ARES response during the FAA aviation shut down. John, KL7CY, also had a positive response from the Division of Emergency Services.

All the basic equipment was purchased from HRO for the RV, but will need to be installed. ARES is still looking to build two more of each of the public service kits.

#### **Contributions and Grants Report:**

The committee has received a couple of more requests, and recommends approval of the request from the Juneau Amateur Radio Club. David Stevens, KL7EB, made a motion to grant their request for \$1,491.95 pending their ability to provide all of the required information. It was seconded by Mike Borer, WL7CKB, and passed unanimously.

#### **Newsletter Report:**

No report was submitted.

#### **Activities Report:**

No report submitted

#### **Old Business:**

Randy Vallee, AL7PJ, is still working on streamlining the Club phone system. He is waiting on return phone calls from ACS.

The Board discussed an equipment agreement that Keith, WL7CSR, found in the old files.

The Board recommended two people to fill vacated Board positions. Lynn Hammond, KL7IKV, and Fielder George



Dowding, KL7FHX. One other person is to be contacted to fill the third position.

#### **New Business:**

John, KL7CY, filled us in on the status of radios and antenna towers at the EOC.

A flyer from the school district was handed out to show the effort being made to start an amateur radio demonstration project in the schools.

Jim, KL7CC, reminded the club of the promise the Municipality made to let the club use the old EOC. Frank Pratt, KL7FSE, Rob Smith, AL7ML, and Richard Block, KL7RLB, offered to help with negotiations.

Jim, KL7CC, told of a request for more of the code practice oscillator kits. After discussion Mike Borer, WL7CKB, made a motion to approve \$750.00 to build 100 more kits. The motion was seconded by Rob Smith, AL7ML, and it passed unanimously.

Jim, KL7CC, raised a policy question about refunding annual dues when a life membership is paid for. After discussion, the Board decided that if a member wants to pay for a life membership before his or her annual dues expire, that no refund on annual dues will be issued. There will be a policy statement added to the Rules of Procedure to cover the issue.

Jim, KL7CC, discussing the ham classes he will be involved in starting, will detail start-up costs at the next Board meeting.

There being no further business, Mike Borer, WL7CKB, moved to adjourn, John Lynn, KL7CY, seconded, and the meeting was adjourned at 9:12 p.m.

Submitted by H. Keith Clark, WL7CSR, Secretary

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#### **FCC REGISTRATION NUMBER BECOMES MANDATORY IN DECEMBER**

Get ready (again) for the FRN! Although the FCC has slipped the deadline before, the Commission said this week that, starting December 3, 2001, everyone doing business with the FCC--licensed or not--must obtain and use a 10-digit FCC Registration Number--or FRN. The FCC called the move "a first step" toward streamlining fee collection and tracking. Many amateurs registered with the Universal Licensing System (ULS) were assigned a 10-digit FRN by the Commission Registration System--or CORES--in a one-time cross-registration last year and notified by mail.

Details to implement CORES for the Amateur Service are still being worked out. Steve Linn of the FCC's Wireless Telecommunications Bureau said just how CORES and ULS will work together remains up in the air. "CORES is not replacing the ULS database," he explained, "but there are a lot of questions as to how it is to be integrated." A final implementation with respect to

Amateur Radio is "yet to be determined," he said. Under the most likely scenario, however, CORES registration will supplant ULS registration for those who do not already have an FRN.

Those without an FRN will be required to register and provide one before transacting business with the FCC, whether or not a fee is required. An individual does not have to hold an FCC license to obtain an FRN. The requirement to obtain one extends to applicants for an Amateur Radio license as well as to anyone required to pay a fee to the FCC, such as those applying for a vanity call sign. CORES registrants will be required to supply a Taxpayer Identification Number--or TIN--typically a Social Security Number (SSN) for an individual. The FCC says CORES information is not made public.

An FRN will not be needed to file comments in rulemaking proceedings. Filings that do require an FRN but don't include one will be rejected. The FCC has not yet proposed replacing the ULS Licensee Identification Number with an FRN; many amateurs already have both, and both numbers appear in FCC licensee records. The ULS continues to be available to new registrants.

The FCC began implementing CORES last year. The agency announced the adoption of its new CORES/FRN rules on August 31 and detailed the requirements in a Report and Order.

In its Order, the FCC sounded almost apologetic for imposing yet another set of numbers on licensees and applicants. "We realize that the manner in which our electronic systems have developed has results in a multiplicity of numbers, passwords and identifiers," the FCC conceded. The FCC said that once various electronic filing systems--such as ULS--incorporate CORES and FRN into their application process, "the need to maintain registration information in multiple systems will be eliminated."

The FCC said CORES makes provision for the registration of foreign nationals unable to obtain an SSN by providing the ability to register without one. The FCC has required that club stations obtain an assigned TIN when registering in the ULS. In an apparent about-face, the FCC's CORES Order states that unincorporated radio clubs registering in CORES should use the TIN/SSN of the license trustee. The ARRL has asked the FCC to clarify.

The on-line filing system and further information on CORES is available by visiting the FCC CORES Web page, <https://svartifoss2.fcc.gov/core/CoresHome.html>. A copy of the FCC R&O is available on the ARRL Web site, <http://www.arrl.org/news/stories/2001/09/04/3/core-ro.pdf>.

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| <b>Anchorage Amateur Radio Club</b>                                                                                                                                                                                        |  |  |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------|
| <b>Summary of Financial Affairs</b>                                                                                                                                                                                        |  |  |           |
| January through August, 2001                                                                                                                                                                                               |  |  |           |
| Assets                                                                                                                                                                                                                     |  |  |           |
| Gaming Account                                                                                                                                                                                                             |  |  | \$128,754 |
| All other Current Assets                                                                                                                                                                                                   |  |  | \$47,937  |
| Fixed Assets                                                                                                                                                                                                               |  |  | \$123,169 |
| Boniface Bingo                                                                                                                                                                                                             |  |  | \$18,990  |
| Total Assets                                                                                                                                                                                                               |  |  | \$318,808 |
| Liabilities                                                                                                                                                                                                                |  |  | \$0       |
| Equity                                                                                                                                                                                                                     |  |  | \$318,849 |
| Operating Income                                                                                                                                                                                                           |  |  | \$2,899   |
| Operating Expenses                                                                                                                                                                                                         |  |  | -\$2,690  |
| Gaming Income                                                                                                                                                                                                              |  |  | \$61,420  |
| Contributions                                                                                                                                                                                                              |  |  | \$10,900  |
| Gaming Funds xfrd to General Acct.                                                                                                                                                                                         |  |  | \$51,000  |
| This summary does not include notes or other information which are an integral part of a complete Financial Statement and should not be relied upon as a complete or accurate statement of the Club's Financial Condition. |  |  |           |

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**From: Doug Dickinson**  
**Date: Fri, 21 Sep 2001 17:46:41 -0800**

The CTCSS tones have changed on the AARC UHF (444.70) repeater. 141.3Hz are no longer being used. Instead 103.5 is active.

Just FYI:

Also 94 is back on the air, we took it off Thursday (9/20), after it began to show audio problems Wednesday evening. It's back to full service as of 1700 9-21-2001.

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**SB SAT @ AMSAT SANS-267.01**  
**SEPTEMBER 2001 PRESIDENT'S LETTER**

**SILVER SPRING, MD, SEPTEMBER 24, 2001**  
**TO ALL RADIO AMATEURS**  
**BID: SANS-267.01**

The Presidents Letter for September 2001 is a little late, due to the terrible things that happened in New York and Washington. However, I am pleased to report that Amateur Radio has once again come to the assistance of those who are involved in the search and rescue efforts, and I feel sure that as a result of the continuing need to develop and maintain emergency plans in towns and cities around the world -- our services will continue to be in demand.

I am also proud to report to you that since the infamous acts of September 11th, the number of registrants for the 2001 AMSAT-NA Symposium and Annual meeting in Atlanta has grown by quite a large number, with many participants coming from overseas in addition to North America. This certainly is in the spirit of "return to normality".

More tests are being carried out on AO-40, and of particular note is the testing of the GPS systems, which were provided by NASA. These tests are currently proceeding using the RUDAK system and I hope they turn out to be successful.

Design parameters are continuing for Project "JJ" and project committee members hope to have their preliminary design review around the end of this year. Meanwhile, the Business Development Committee has plans in place to involve members in the important business of fund raising for our new project - will you help? In the next few weeks expect to receive a letter from me outlining the needs of the project and ways that our membership can help.

Meanwhile, I look forward to seeing many of you at our Symposium and Annual Meeting in Atlanta!

73,

Robin Haighton, VE3FRH  
President AMSAT-NA

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This edition of ANS is dedicated to the memory of Walter Marquart, W0CKT, who died recently in Madison, Wisconsin, at age 91. Marquart was issued the first Amateur Radio operator's license in South Dakota in 1926. The U.S. Commerce Department granted the then-17-year-old. During World War II, Marquart was a consultant for radar installations around the world. After his retirement from teaching, he became a missionary and pastor. [ANS thanks the ARRL for this information]

ANS is always dedicated to the memory of past ANS editor 'BJ' Arts, WT0N, and to the memory of long-time AMSAT supporters Werner Haas, DJ5KQ, and Dennis Kitchen, G0FCL.

ANS salutes Grote Reber, W9FGZ, who is also called the father of radio Astronomy. W9FGZ is among the inaugural group of 50 inductees into the CQ Amateur Radio Hall of Fame. The Hall was established to recognize those individuals



(whether licensed radio amateurs or not), who significantly affected the course of Amateur Radio; and radio amateurs, who, in the course of their professional lives, had a significant impact on their professions or on world affairs. AMSAT and OSCAR supporters/notables on the CQ Hall of Fame list include K1JT, K1ZZ, W6SAI, W2SKE, W8JK, K7UGA, W6ZH, W3ASK, W1HR, KA9Q and W3IWI. [ANS thanks CQ Amateur Radio magazine, published by CQ Communications, Inc. for this information]

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**SB SAT @ AMSAT \$ANS-266.01  
AO-40 UPDATE**

AO-40 command station Stacey Mills, W4SM, informed ANS that because of current ALON/ALAT, RUDAK time slots during orbit have been moved and also increased slightly. RUDAK is currently active from MA-70 and MA-87.

AO-40 is currently in a long period during which the Earth eclipses the Sun near perigee. These actually began about August 28th, and will rapidly increase in length. The will continue well into June 2002. During September, eclipses will peak at 85 minutes in duration.

For the current transponder operating schedule visit:  
<http://www.amsat-dl.org/journal/adlj-p3d.htm>

Stay tuned to ANS, the official source of AO-40 information.

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**[SB SAT @ AMSAT \$ANS-266.02  
DENNIS KITCHEN, G0FCL, SILENT KEY**

The worldwide Amateur Radio society and the satellite community has lost a very good friend -- Dennis Kitchen, G0FCL. Dennis passed away in late August, following a short illness.

G0FCL was an active member of AMSAT-UK for many years. He was committee member in charge of the UK's Orbital Calendar since 1991, and coordinated AMSAT-UK's goods and services in recent years. Dennis also wrote the satellite column in the RSGB publication of Radio Communication. His passing will leave a void in our lives.

Dennis will be warmly remembered for his passion for Amateur Radio, especially satellites, and for his willingness to share his knowledge and experience with all. AMSAT-UK Secretary, Jim Heck, G3WGM, told ANS that "I find it very sad to record the passing of a great friend, who gave so much to Amateur Radio and AMSAT-UK, in a very quiet and unassuming way."

AMSAT-NA President Robin Haighton, VE3FRH, upon hearing the sad news, released the following statement:

I received this news with much regret. Dennis has been on this side of the Atlantic several times and he will be warmly remembered by many of us. It is always sad to lose a good friend. On behalf of the AMSAT-NA Board of Directors, Officers and members, I pass our condolences to his wife Barbara, his family and his many friends in AMSAT.

73,

Robin Haighton, VE3FRH  
President AMSAT-NA

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**SB SAT @ AMSAT \$ANS-266.04  
ANS IN BRIEF**

ANS news in brief this week includes the following:

\*\* South African millionaire Mark Shuttleworth, who wants to become the world's next space tourist, could make his flight onboard a Russian craft as early as April 2002, according to the head of the Russian space agency. -SpaceDaily

\*\* At ANS release time, the launch of PCSat has been delayed due to weather and radar problems at the Kodak launch site. The latest launch information can be using PCSat's sister satellite - Sapphire. Check out the following URL:  
[http://students.ccc.wustl.edu/~sapphire/sapphire\\_overview.htm](http://students.ccc.wustl.edu/~sapphire/sapphire_overview.htm)  
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\*\* Indian rocket scientists claim to have designed a reusable space plane, dubbed Avatar, which they plan to use for launching small satellites at very extremely low cost and also taking tourists on rides into space, according to The Times of India. -SpaceDaily

\*\* Geologists poring over the latest images from Mars are turning up new evidence that water once flowed freely on the planet's surface and may still flow from time to time. If their interpretation is right, underground aquifers or ice layers should be commonplace on the planet. However, no spacecraft flown so far has been capable of identifying them. -SpaceDaily

\*\* A huge icy rock orbiting the Sun in deep space is the biggest asteroid ever spotted, outstripping the previous record-holder. The asteroid, designated 2001 KX76, has a diameter of at least 750 miles. -SpaceDaily

\*\* The FCC has lowered the fee for a new or renewed Amateur Radio vanity call sign. The FCC proposed the lower fee last March in a Notice of Proposed Rulemaking for the Assessment and Collection of Regulatory Fees for 2001. The FCC has estimated that 8,000 applicants will apply for vanity call signs in the current fiscal year. -ARRL

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ANS is pleased to report that the GPS experiment on AO-40 has undergone successful testing. This experiment supplied and sponsored by NASA is to determine if it is possible to get positional data outside of the GPS ring of satellites.

There are two GPS receivers on AO-40, the A receiver for receiving signals around apogee and the B receiver for signal reception around perigee. Both receivers are operational, and Data is passed from the receivers through the RUDAK to the S-band transmitter.

Jim White WD0E, has been the AMSAT coordinator and chief operator for this activity, reports that "we received a signal on the apogee receiver from about 52 Thousand Kilometers out with good signal levels, further data is being gathered and those downloaded so far are being analyzed.

Frank Bauer KA3HDO, AMSAT-VP Human Space flight Programs, and instrumental in setting up the GPS experiment, said "If this experiment goes the way I expect, it will revolutionize the way we use GPS in Space. Many future HEO spacecraft will be able to take advantage of GPS for autonomous navigation and station keeping".

AMSAT President Robin Haighton, VE3FRH, was delighted with the news of the GPS success, and commented that "It is great to be able to help our friends t NASA. Testing this experiment has been a long time in coming, and we were worried that radiation may have damaged the GPS receivers. Now at last we have a very positive result from this important experiment."

Stay tuned to ANS for further details as they become available.

ANS Editor Dan James (N0DJ@amsat.org)

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ANS is pleased to report the successful Launch of the Kodiak Star Launch vehicle from Kodiak Alaska on Sunday morning 02:40:02 UTC (Saturday evening local time).

The launch had been delayed several times due to weather conditions and Solar Flares. On board the launch vehicle and of interest to Amateur Satellite operators were the PCsat and Starshine satellites as well as another satellite developed by the Air Force Academy (Colorado Springs).

Initial Information indicates that all satellites were successfully deployed, and that AMSAT members in many countries have heard the amateur radio satellites.

For further details keep in touch with ANS

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#### KITSAT KO-23

Uplink 145.900 MHz FM (9600-baud FSK)

Downlink 435.170 MHz FM

Broadcast Callsign HLO1-11

BBS HLO1-12

Launched: August 10, 1992 by an Ariane launcher from Kourou, French Guiana. Status: Intermittent operation with the downlink transmitter operating at unpredictable intervals.

Jim, AA7KC, reported that KO-23's downlink transmitter continues in non-operational status. Jim says that KO-23 shows some signs of trying to recover, but no useful data has been downlinked. The duration of this status is unpredictable. No data has been received since October 28, 2000.

KyungHee Kim, HL0ENJ, reports (from the KO-23 control team) that part of the problem with non-operation has been the power budget aboard the satellite. "We are not sure when the bird might turn off again due to insufficient power. The capability of the onboard power system has been less and less," said Kim. HL0ENJ also noted that as of October 30, 2000 the onboard computer was reset and a reboot of operational software is/was underway.

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AMSAT-NA is pleased to announce that recent (and future) Amateur Radio satellite technology developments will be discussed in Atlanta, Georgia at the 19th Space Symposium and AMSAT-NA Annual Meeting, October 5-6, 2001. The Symposium Chairman is Steve Diggs, W4EPI. Contact W4EPI at: w4epi@amsat.org





STRETCH NOTICED A STRANGE SIGNAL BLEEDING OVER HIS ALL MODE VHF/UHF HAM RADIO. LOOKED LIKE THE BAND THE DEPART. OF FISH AND GAME USED TO TRACK ANIMALS. THE SIGNAL CONTINUED TO GROW IN STRENGTH UNTIL IT PEGGED OUT THE NEEDLE. LET'S SEE, STRONGER AND STRONGER MAY MEAN CLOSER AND CLOSER. NEARER AND NEARER. STRETCH, SOFTLY WHISTLED AS HE SLOOOOOOWLY PREPARED TO TURN AROUND.



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**TECHSAT-1B GO-32**

Downlink 435.225 MHz using HDLC telemetry  
Launched: July 10, 1998 by a Russian Zenit rocket from the Baikonur  
Cosmodrome. Status: Semi-operational.

Efforts were reported to be underway to bring GO-32 on line, however, no information has been received by ANS (the last report was dated November 1999).

Last reported, the satellite does transmit a 9600-baud burst every 30 seconds (the GO-32 beacon sends one short telemetry status transmission of 44 bytes) and upon request the complete telemetry buffer.

[ANS has no further information]

**PANSAT PO-34**

Uplink/downlink frequency (listed on the PanSat web site) 436.500 MHz Launched: October 30, 1998 by the Shuttle Discovery. Status: Unknown

The satellite is not available for general uplink transmissions.

The Naval Postgraduate School developed PanSat. At the time of launch, PanSat spread-spectrum digital transponders were to be available to Amateur Radio operators along with software to utilize this technology.

For more information, visit the official PanSat web site at: