Collector & Emitter

Central Oklahoma Radio Amateurs, Inc. Publication

June 2001
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Postmaster See Page 2
For Postal Information

Periodical Mail

"Happy Father's Day!"

Collector & Emitter
Harold C. Miller, KB1ZQ
Editor
Linda G. Miller, N1LPN
Circulation Manager

Central Oklahoma Radio Amateurs, Inc.
President: Harold C. Miller, KB1ZQ
V Pres.: Jerry Sproul, WA5JS
Secretary: Forrest Rush, N5VWF
Treasurer: Harold Miller, KB1ZQ
Web Page –
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Dear Subscriber:
PLEASE help us keep your information up to date. What time, where, when, who are your officers, editors, and their phone numbers. Check your entry, it can be changed. If there appears to be a mistake, check with your club officials. We can't do a thing about it if you don't let us know. Below is a sample label:

2001/12 1 2 4 6 MZ
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1234 SW 56th STREET
RADIOVILLE, OK 74321-9876

The "2001/12" means the year/month C&E subscription expires.

Dear Secretary / Treasurer:
When you want a change of any sort to your membership, you must completely fill out a subscription slip. Watch for the date you received their funds and the date the subscription expires. Have your slips, or list of deletions submitted by the Deadline of each month. If there is anything about *C&E* subscriptions you need to know, please contact us.

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1. Aeronautical Center ARC
Meets: 7:30 p.m., 1st Thursday, FAA, S. MacAuthur, OKC
Pres.: Clarence Warstler, KB5IBY 632-3545
VP:
Sec/Tr.: Paul Solheim, WB7QIN 381-3574
Editor

2. Oklahoma Central VHF ARC
Meets: 11:30a.m., 2nd Wednesday, Home Town Buffet, 3900 NW 63rd, Oklahoma City
Pres.: Bill Noland, WA5FWD 354-5018
VP:
Sec: John Dome, KB5WVE 842-3493
Treas.: Jim Speck, W5AI 842-3055
Editor:

4. Oklahoma City Autopatch Assn.
Meets: 7:30 p.m., 3rd Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (Back Door)
Pres.: Mark Hamblin, WL7FT 732-2087
VP: Ron McCubbin, KC5QCV 341-0591
Sec: Clay Mayrose, WA6LBU
Treas.: Mark Watkins, NM5W 340-8596
E-mail: ocapa@juno.com

6. Altus Area Amateur Radio Assn.
Meets: 7:00 p.m. 2nd Thursday, Southwest Area Vo-Tech Center, 711 W Tamarack Altus, OK
Pres.: Dale Town, N5VX 580-477-4027
VP: Mike Schenkel, W5VXU 580-846-5578
Sec: Debbie Grime, KD5LMW 580-480-1252
Treas.: Fred Molledahl, AB5FS
Editor: Lil Town, KC5CNA 580-477-4027

7. Enid Amateur Radio Club
Meets: 7:00 p.m. 4th Thursday, American Red Cross 400 N Grand, Enid, OK
Pres.: Dean Feken, KL7MA 580-336-3326
VP: Sam Cotter, KD5EUS 580-233-0048
Sec: Tim McAnally, KD5KTB 580-234-0948
Treas.: Dwayne Posey, KC5QVS 580-237-3218
Editor:

8. Choctaw Amateur Radio Club
Meets: 7:00 p.m., 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK
Pres.: Chuck Kanach, KC5EZS 390-2231
VP: Don Clark, KB5KWV 630-3006
Sec: Kay Hlozman, KB5VJR 391-3398
Treas.: Ron Ernest, WB9DAF 769-3207
Editor:

9. Wheatstraw Amateur Radio Club
Meets: 1:30 p.m., 2nd Sunday, Location Varies
Pres.: Leo Piel, WZ5H 580-886-2998
VP: Ray Barnes, AB5Z 580-274-3334
Sec/Tr.: Joe Garland, WA5FLT 405-893-2660
Editor: Ralph Wilder, Wa5PFK 405-623-5421

10. Oklahoma DX Association
Meets: Hamfests and as announced in C&E.
Pres.: Larry Shima, W0PAN 405-721-8138
VP: Clif Sikes, N5UW 405-997-3280
VP: Dick Stricker, NJ5S 580-233-9869
Sec./Tr.: Jerry Chouninard, K5YAA 918-341-2659
Editor: Nelson Derks, AC5UP 918-451-1594

11. Edmond Amateur Radio Society
Meets: 2:00 p.m., 3rd Sunday, Edmond Community Building 28 E Main, Edmond OK
Pres.: David Wolf, KC5KJE 340-7486
VP: Dick Stimson, KK5XO 348-6542
Sec: Robert Coxsey, KM5GZ 478-5715
Treas.: Robyn Price, KD5ISC 324-2674
Editor: Curtis Foote, KC5GEP 359-6514
http://edmondsun.com/ears e-mail: k5eok@arrl.net

15. South Canadian ARS
Meets: 9:30 a.m., 2nd Saturday, Red Cross Bldg North OU Campus, Norman
Pres.:
VP: Ed Berkowitz, N3US 364-8884
Sec: Bill Baker, N5UMH 366-8641
Tr. Jeff Wyke, KT5OK 329-6762
http://www.telepath.com/n5dkr

17. Ada Amateur Radio Club
Meets: 9:00 a.m., 1st Saturday, Salvation Army Bldg 115 N. Oak St., Ada, OK
Pres.: Charles Eiter, KC5TGA 580-436-4425
VP: Danny Coffey, KM5LB 580-759-2670
Sec: Darla Coffey, KC5RGU 580-759-2670
Tr: Scott Renes, KD5AJL 580-436-1369

19. Tri-State Amateur Radio Group
Meets: 7:30 p.m., 2nd Thursday, Woodward, OK
Pres.: Larry Goodwin Sr. K5LHG 580-886-3283
VP: Gerald Bowman, W5AOK 580-994-5600
Sec/Tr: Robert Keith, W5ROB 580-994-5461
E-mail: w5okt@arrl.net

Central Oklahoma Radio Amateurs
Meets: 7:30p.m., 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor)
Pres.: Harold Miller, KB1ZQ 672-7735
VP: Jerry Sproul, WA5JS 354-2061
Sec: Forrest Rush, N5VWF 842-8486
Treas.: Harold Miller, KB1ZQ 672-7735
Editor: Harold Miller, KB1ZQ 672-7735
E-mail: corahams@swbell.net

Deadline for July 2001 Issue of *Collector and Emitter* is Friday, June 29, 2001. Send all Articles to *Collector and Emitter*, 4216 Spiva Drive Del City, OK 73115-4424 on 3 ½ inch floppy or e-mail to corahams@swbell.net. Articles received after the deadline may not be printed that month. Questions please do not hesitate to call - 405-672-7735 / 405-650-9963.

Central Oklahoma Radio Amateurs, Inc.

Minutes of the CORA May 2001 meeting

The meeting was called to order by the President Hal, KB1ZQ.

The Treasurer passed out the financial information of the preceding month.

All the dealer letters have been mailed for Ham Holiday 2001 and we have had a few dealers already reply.

The directors approved the Ham Holiday 2001 Flyer.

Final Plans are underway for HH 2001: Programs, security, Fleamarket, tickets, pre-registration reports, were all discussed.

It was decided that Linda, N1LPN should again be Prize Chairman, she did it last year. She has accepted.

Discussion concerning the cut off age of children allowed to attend HH free with a parent was changed from the policy we had agreed on last year. Children age 12 years and under will be admitted 'free' into HH as long as they are with a parent/grandparent.

It was brought to the attention of the Board that each year we are receiving more and more requests for 'free tables & free admission.' The board has decided to restrict and limit free table/free admission to just a few.

The board also discussed the possibility that this may be their last HH. Prices are going up each year for the rental of the building, insurance, utilities, rental of the tables, printing and mailing the HH Flyers and many other expenses they must pay. Without support from the ham community by attending HH this year, they will have no funds to host next year's hamfest.

The Next meeting will be held at:
The Salvation Army
Location at SE 44 and Bryant.

Respectfully Submitted,
Forrest Rush, N5VWF
CORA Secretary

ALASKA GOVERNOR SIGNS ANTENNA BILL

From: ARRL Letter, Vol 20, No 18
Date: Tue, 8 May 2001

Alaska Gov Tony Knowles has signed that state's Amateur Radio antenna Bill into law. Alaska Senate Bill 78, An Act Relating to Municipal Regulation of Radio Antennas, was signed April 27. It will become effective July 26. Alaska becomes the 12th state to adopt such legislation.

The bill was approved by unanimous votes in the Alaska House of Representatives and Senate. The measure goes beyond incorporating language from the limited federal preemption known as PRB-1 into Alaska's state statutes. It includes a schedule of antenna structure heights, below which municipalities could not further regulate. It also contains a "grandfather" provision to protect existing towers should a municipality enact a restrictive antenna ordinance.

The new law will require localities in Alaska to "reasonably accommodate Amateur Radio antennas" and impose "only the minimum requirements" necessary, although they can require "reasonable and customary engineering practices" be followed.

The measure also will establish a three-tier minimum regulatory height schedule that depends on the population density of the community in which the antenna is installed and the size of the lot on which it is sited. Municipalities would not be permitted to further regulate antennas shorter than 75 feet in areas with a population density of more than 120 people per square mile. A minimum regulatory height of 140 feet would prevail in areas with a population density of more than 120 people per square mile for a lot size of an acre or larger. The top-tier 200 feet minimum regulatory limit would apply in areas where the population density is 120 people or less per square mile.

Alaska Section Manager Kent Petty, KL5T, said many of the state's hams deserve credit for helping to obtain passage of the important legislation. Petty said the letters, e-mails, and telephone calls and legislative testimony "really paid off" and suggested that Alaska amateurs write their representatives, senators and governor to thank them for their "unwavering and unanimous support."

A copy of the Alaska legislation is available as a PDF file on the Alaska legislature's Web site, http://www.legis.state.ak.us/PDF/22/Bills/SB0078B.pdf.

More information on PRB-1 and Amateur Radio antenna regulation, is at http://www.arrl.org/FandES/field/regulations/#local .

From the Editor's Desk:

Greetings to all! You might find that the newsletter this month has just a few minor mistakes as well as look just a tad different in places. Well that is easy enough to explain, this issue would not be in your hands now if I had not stepped forward and tackled putting this issue together. I worked on last month's issue, but never had put one together by myself before.

Back in the 70's when computers became the wonders of the future and were taking over everywhere, I was busy at my Macramé Board, singing John Denver songs and very happy. While I was mastering knots of ancients, others were on the beginning dawn of computer Technology.

I was stubborn and as computers began to ease their way into every aspect of our lives, I held out and refused to touch one. In fact the way Hal was able to get me on the computer for the first time was back in 1991 and it was to play games! In 1992 he was able to show me that I could take practice tests before I took my VE exams. In 1994 he showed me how it could be the same as a typewriter but better. Shortly after that he introduced me to the Internet.

WOW! The Internet opened up a whole new world to me. I could print craft projects, recipes, the newest trends in jewelry designing, and also email family without having a high Phone Bill. I became a seller on eBay last fall and am having fun. I did learn how to use the Virus Protection Program and it does work!

Not until now have I ventured beyond my comfort zone concerning this machine. Hal has been working almost non-stop at his job. There was no one else to help him so here I am. Please forgive any mistakes I have made. ~ 33 Linda, N1LPN

A. R. R. L. Bulletins

From ARRL Headquarters
Newington, CT
To All Radio Amateurs

ARLB015
7 MHz "realignment" among WRC-2003 Advisory Committee preliminary views

The FCC's World Radiocommunication Conference 2003 Advisory Committee has approved several "preliminary views" --or PVs--on expected WRC-03 agenda items. Among these is a US preliminary view supporting a realigned 40-meter amateur allocation at 6900-7200 kHz on a worldwide primary basis. The FCC is soliciting public comment on all preliminary views by May 9.

The preliminary view was developed by Informal Working Group 6, which is dealing with most issues of concern to amateurs. ARRL Technical Relations Specialist Walt Ireland, WB7CSL, serves as vice chairman of IWG-6. The PV says that, alternatively, the US could support a 7000-7300 kHz worldwide primary amateur allocation.

Only amateurs in Region 2, which includes North and South America, have access to 7000-7300 kHz; the rest of the world has only 7000-7100 kHz, with the upper 200 kHz allocated for broadcasting. ARRL Technical Relations Manager Paul Rinaldo, W4RI, says the ARRL would prefer going back to the pre-World War II worldwide 7000-7300 kHz scheme. Some broadcasters, on the other hand, would like amateurs worldwide at 6800-7100 kHz, he said, so they would not have to move. A Radio Conference Subcommittee backgrounder from the Interdepartment Radio Advisory Committee--which reflects views of
the federal government--said the issue "is liable to be very controversial."

Further complicating matters, Rinaldo said, is the fact that international HF broadcasters want to fold the 7 MHz realignment question into another WRC-03 agenda item examining the adequacy of HF broadcasting allocations from approximately 4 MHz to 10 MHz. Broadcasters are expected to seek additional HF elbow room to accommodate digital transmissions to complement their existing AM channels.

Another PV with implications for amateurs would oppose the use of 420-470 MHz for use by the Earth Exploration-Satellite Service for so-called synthetic aperture radars, or SARs unless it can be shown that the satellites "do not cause harmful interference to amateur systems and stations." SARs are used to map regions on Earth's surface and are expected to be deployed primarily over tropical rain forest areas.

Rinaldo emphasized that the preliminary views do not represent formal US positions and are subject to change as preparations for WRC-03 move forward.

Comments on WAC preliminary views may be filed via e-mail to:
wrc03@fcc.gov. The FCC's WRC-03 Web site, http://www.fcc.gov/wrc-03,
includes additional information as well as links to related documents.

WRC-03 is scheduled to begin June 9, 2003, and continue until July 4, 2003. The conference is expected to take place in Venezuela.

ARLB016 ARRL:
Again Petitions FCC for Primary Allocation at 2300-2305 MHz

The ARRL has again asked the FCC to create a primary domestic Amateur Radio allocation at 2300-2305 MHz. Amateurs now are secondary there. The ARRL first asked the FCC in 1996 to upgrade the
allocation there to primary, but the Commission never acted on the request.

"The segment 2300-2305 MHz is of extreme importance to the Amateur Service, especially for weak-signal communications and propagation research, including beacon operation, due to the low noise levels in that band," the ARRL said. The renewed petition was prompted by increasing demands on that portion of the spectrum due to development of new telecommunications technologies.

The Amateur Service has primary allocations in this part of the spectrum at 2390-2400 MHz and 2402-2417 MHz. The ARRL last year sought to have the segment 2400-2402 MHz elevated from secondary to primary, but the FCC has not acted on the request to date. The AO-40 satellite has been successfully using that band for downlink telemetry and transponder operation.

The ARRL originally asked the FCC to consider creating the primary 2300-2305 MHz allocation when it filed comments in response to the FCC's proceeding to allocate spectrum below 5 GHz transferred from federal government use and set aside for auction to help balance the budget (ET Docket 94-32). The issue arose again in response to the FCC's plans to reallocate and auction off parts of the 2.3-GHz band for what's now called the Miscellaneous Wireless Communications Service (GN Docket 96-228). The League renewed its request for primary at that stage.

In light of the FCC's stated policy to protect incumbent amateur operation at 2300-2305 MHz, upgrading the amateur allocation there "would constitute the highest and best use of the band at present," the ARRL asserted in its latest filing. "It would also be consistent with the protection requirements for government and NASA operations immediately below 2300 MHz and the [M]WCS operation above 2305 MHz." Amateur Radio weak-signal work is centered near 2304 MHz.

Amateurs "need and should be afforded protection from" commercial users at 2300-2305 MHz, the ARRL concluded. It also requested the FCC to not introduce any other users to the band "in view of the necessity to protect the extant and expanding amateur uses in the band which involve sensitive receivers."

The FCC has not yet put the ARRL's petition on public notice.

ARLB017:
ARRL Executive Committee Reviews Preliminary 5 MHz Band Petition

Meeting May 5 in Dallas, Texas, the ARRL Executive Committee reviewed a preliminary draft Petition for Rule Making seeking a new US ham band in the vicinity of 5 MHz. Experimental operation in that part of the spectrum under a license issued

to the ARRL has been going on since 1999.

The Executive Committee agreed that the petition should seek a domestic secondary allocation around 5 MHz for the Amateur Service with a bandwidth of 150 kHz. Executive Committee members will review the completed draft petition before it's filed with the FCC, possibly before the next ARRL Board meeting in July.

Participants in the ARRL WA2XSY experimental operation on 5 MHz have established that an allocation at 5 MHz could improve emergency communication capabilities by filling the gap between 80 and 40 meters. An amateur allocation in the vicinity of 5 MHz long has been an objective of the International Amateur Radio Union.

Winning an allocation at 5 MHz--even on a domestic basis--could take several years. Securing an international allocation will be more difficult and take even longer. Consideration of an allocation at 5 MHz is not on the agenda for WRC-03 nor on the preliminary agenda for WRC-05/06.

In other matters, the Executive Committee was told that an FCC Notice of Proposed Rule Making still is expected soon in response to the ARRL's petition, RM-9404, seeking Amateur Radio access to the low-frequency spectrum. Filed in late 1998, the ARRL petition asks the FCC to establish LF allocations in the vicinity of 136 kHz and between 160 and 190 kHz.

ARRL General Counsel Chris Imlay, W3KD, also told the Committee that the ARRL's Application for Review that seeks to clarify the FCC's PRB-1 limited preemption policy with respect to amateur antennas is pending before the full Commission. The ARRL wants the full Commission to review--and reverse--an FCC staff decision declining to extend PRB-1 coverage to include CC&Rs--covenants, conditions and restrictions. The EC agreed to request an en banc presentation to the full FCC this fall, after new Commission appointees have been seated.

The Committee also was told that favorable FCC action is anticipated on a petition seeking to upgrade Amateur Radio's status from secondary to primary at 2400 to 2402 MHz. The ARRL recently asked the FCC to elevate Amateur Radio from secondary to primary at 2300 to 2305 MHz.

The minutes of the ARRL Executive Committee meeting in Dallas are available on the ARRL Web site, http://www.arrl.org/announce/ec_minutes_466.html.

ARLB018:
Two ARRL Sections to Get New Section Managers
New section managers will take office July 1 in the Maryland-DC and Northern New Jersey ARRL sections. Incumbent section managers were re-elected in six other sections.

In Rhode Island, incumbent SM Armand E. Lambert, K1FLD, held off a challenge from Ellis H. Maris Jr, W3PDK, 180 to 123. Votes were counted May 22 at ARRL Headquarters.

In Maryland-DC, Tom Abernethy, W3TOM, will succeed Bill Howard, WB3V, who decided not to run for another term. An Advanced licensee from Accokeek, Maryland, Abernethy, 49, holds field appointments as an Emergency Coordinator, Official Emergency Station, Official Bulletin Station, and Official Relay Station. He's also a volunteer examiner.

In Northern New Jersey, William Hudzik, W2UDT, of Gillette, will succeed Jeffrey Friedman, K3JF, who did not seek another term.n Hudzik, 54, holds an Extra Class ticket. He serves as a volunteer examiner and also volunteers in the QSL bureau. He's a trustee of the Raritan Valley Radio Club and of the Frankford Radio Club.

Incumbent section managers reelected without opposition were Jan Welsh, NK7N, Nevada; Al Shuman, N1FIK, New Hampshire; Donald W. Costello, W7WN, San Joaquin Valley; Mel Parkes, AC7CP, Utah; and Clay Emert, K5TRW, West Texas.

All terms are for two years.

ARLB019:
FCC puts regulatory ball in amateurs' court
The FCC says the ball is in the court of the Amateur Service to determine the course of future Amateur Radio regulation. Speaking May 20 at the Dayton Hamvention FCC forum, Bill Cross, W3TN, of the FCC's Wireless Telecommunications Bureau, said that the days of Commission-imposed regulation are past.

"Detailed regulation of the nitty gritty of communication services, including the Amateur Service, is not in the picture," Cross said. "Rather, the FCC is shifting to strong and effective enforcement of truly necessary regulations." The FCC, he said, now plans to look to the amateur community to reach consensus on any new regulations it thinks it wants and needs.

"I hope that those of you who are thinking about asking us to carve up a band by fiat will think again," he said. "You really are asking us to tie your hands regarding your use of your spectrum."

Before the FCC initiates any rulemaking proceedings in the Amateur Service to change privileges, Cross said it wants to see proposals involving the implementation of "new and more modern communications technologies," such as digital. In addition, he said, any future proposal "must include all licensees, and it must include all bands," and--most important--the amateur community must reach a consensus on the topic.

Cross said the FCC does not want and cannot handle "multiple proceedings that address piecemeal changes

INTRODUCING: ELMER 101

A course in electronics.

Frequently new hams, and sometimes the not so new, ask for recommendations for ways of learning electronics. I remember as a beginner, everything seemed complicated, over whelming, and required difficult to find parts. Part of the problem was my not knowing a resistor from a capacitor, from a rectifier, from a "hole in the ground." I wanted to build a one tube tunable converter from the 1958 edition of The Radio Amateur's Handbook that would change 21, or 28, or 50, or 144, or 220 MHz signals down to be received at 7.0 MHz in the 40 meter ham band. With my list of two dozen parts in hand, I had my father take me to R and R Electronics in Amarillo.

"Hello son, may I help you?"

"Yes, I need a few parts. The first one is a 10 uuf ceramic capacitor."

"What's a capacitor?"

Hum, forty years later, I can go into any Radio Shack. You know, the "if you have questions, we have answers" people.

"I would like to buy a .01 uf disc capacitor, please."

"What's a capacitor?"

"#%&^$#@!!!"

It seems that the only thing that has changed during the 40 years is that I have learned about capacitors. Big one, little one, surface mount, long leads, electrolytic, silver mica, tantalum, and on and on. I suspect that there is a law somewhere that requires testing clerks for IQ. If it is higher than their shoe size, they can not work in electronic sales! Possibly the most difficult task for learning electronics involves learning where to shop for parts. Check out Dan's Small Parts (**http://www.fix.net/dans.html**) for very good prices.

"How to best start learning electronics" recently was a discussion topic on the QRP e-mail reflector. (**http://qrp.lehigh.edu/list/qrp-l**) (This last character is a lower case L.) The power level for QRP is defined as 10 watts peak envelope power (pep) SSB or 5 watts output power on code. The list moderator, Chuck Adams, K7QO, recently moved to Arizona from Dallas, Texas. Using a long wire antenna 15 foot in height and home made QRP transceivers at .9 watts or less power, Chuck worked all states (WAS award) in less than 90 days. In fact Chuck was present when I made my first WAS. This was in 1963. I had taken my hernia generating big equipment with me to the McMurry College dorm. The transmitter weighed 60 pounds and was rather large. The receiver was a bit lighter. Chuck roomed on the next floor above me. Even back then he was a "hot shot" CW operator. I thought anyone faster than me was a "hot shot." It was difficult finding operators slower than me! I had passed the test and promptly forgotten the code. Chuck was comfortable with the 40-wpm operators. For me, it would be fun to work all states using voice. During the first radio session, I promptly earned my WAS - - worked all stereos! For a number of years, Chuck directed the code speed contest for HamCom. His home page address is (**http://www.qsl.net/k7qo/).**

The low power movement has really grown over the last five years. One of the first with good cheap kits was Dave Benson, NN1G. His 40-30 kit published in the New England QRP Journal became an instant success. The kit name translates to mean 40 meters for $30. The rig has appeared in QST and was featured in The Radio Amateur's Handbook. The rig has been upgraded a couple of times and is now called the SW-40+ at $55 postpaid. This unit is a single-board transceiver, 2.8 x 4.0 inches. The circuit board is commercial quality and silk screened. The frequency is controlled by a 40 kHz bandwidth variable frequency oscillator. The receiver is a single signal superheterodyne design with crystal filtering. It uses quiet solid-state breakin T-R switching. The output power is adjustable up to 2.5 watts maximum output. Small Wonders Labs has a 4" (w) x 4" (d) x "2" (h) case with connectors, case mounted parts, and knobs for $38 postpaid.
(**http://www.smallwonderlabs.com/**) A popular accessory is the freq-mite, a $20 frequency counter that reads out via Morse Code in the receiver. If you have problems making the unit work, Dave offers for a flat fee, I will fix it guarantee. The address is Small Wonder Labs, 80 East Robbins Ave., Newington, CT 06111. Units are available for 80, 40, 30, or 20 meters.

Needless to say, the small size of the transceiver makes it very popular with the back packing hams. Membership in Adventure Radio Society is free and everything is done on the net. (**http://www.natworld.com/ars**) ARS sponsors the Spartan Sprints on the first Monday evening from 8 to 10 local time, CW only (much is slow speed) centered on the QRP calling frequencies for 80,40,20,15, and 10 meters. Many of the articles deal with "trail friendly" equipment and personal accounts of outings enjoyed. The photography is fantastic.

To solve the parts procurement problem, the QRP reflector group chose the SW-40+ from Small Wonder Labs. The instruction manual of the SW 40+ was divided into sections with an author writing the lessons and explanations for each. A large number hams enjoyed taking the course and building the kits together as a group. This course explains exactly what is going on with each part, why it is being used, and why it is placed where it is. Some of the topics include the power supply section, VFO, receiver mixer, keying circuit, transmit mixer, receiver front end, TR switch, LF crystal filter, and Final power amplifier. The explanations are easy to read. On the net go to (**http://www.qsl.net/kf4trd/faq.html**) for the "Elmer 101" electronics series. If you do not have net capabilities, a printed version is included in Volume VI, 1998 QRPp, the Journal of the NorCal QRP Club. Make checks out to Doug Hendricks for $25.00 and mail to 862 Frank Ave., Dos Palos, CA 93620.

This may be a little advanced to tackle as your very first building project. If you have done a couple of simple kits, then this may just what you are looking for. Ham radio does not have to be expensive to be fun. Additional information about QRP activities can be found on the QRPI club page (**http://www.qrpiarc.org/**). Two other good sites are Northern California QRP (**http://www.fix.net/~jparker/norcal.html**) and the Colorado QRP club (**http://www.cqc.org/**). Many operators

enjoy taking their little rigs with them into nature, throwing a wire over a tree limb, and making a few contacts. If you don't want to build or want voice operation, then look at the SGC 2020 (**http://www.sgcworld.com**) and the new Yaesu FT 817 portable "do everything" rig (http://www.vxstd.com). Many operators crank down the power on their Icom 706 (**www.icomamerica.com**) or other bigger rigs. QRP is currently one of the faster growing segments in amateur radio. Be warned, QRP operation is very contagious. You may become addicted to substituting operator skill for power.

NEWS: Ban On Hand-Held Cellphone Use By Drivers Dies

By CARRIE BUDOFF
The Hartford Courant
May 16, 2001

In stark contrast to months of hoopla and attention, a bill banning motorists from using hand-held cellphones was quietly cut off Tuesday by some key legislative operators.

Without a debate or a vote, the legislature's public safety committee refused to take up the issue because not enough lawmakers on the committee supported the measure, a move that means the bill will most likely not go any further.

It was just two weeks ago that the state House of Representatives became the first legislative chamber in the country to approve a bill requiring drivers to use hands-free equipment. But when the bill reached the Senate last week, the leaders, who were never wild about the concept, referred it to the conservative public safety committee, where the measure ultimately died Tuesday.

"They knew what they were doing by sending it to this committee," said Rep. Richard F. Roy, D-Milford, the main proponent who has pushed the issue since 1999. "Politically, they don't have to deal with it here or outside the building. It is like a gun without fingerprints."

The bill could be resurrected as an amendment in either chamber, though Roy said he was unsure whether he would push for that. With only three weeks left in the session, Roy said, it's unclear whether legislative leaders will have patience for a debate on cellphones with so much other outstanding business.

"I will bring it back next year - no doubt about it," Roy said.

The lack of action Tuesday forced a sudden halt to Roy's cellphone crusade, one that picked up speed this year as anecdotes of tragedy proliferated and a Quinnipiac University Poll found 85 percent of residents supporting a ban. But the failure to act also showed that the success of a bill rests on more than public opinion and momentum from a coalition of legislative co-sponsors.

Roy never earned the backing of Republican Gov. John G. Rowland and Senate President Pro Tem Kevin B. Sullivan, D-West Hartford - two voices that speak much louder than the likes of this unassuming, white-haired lawmaker.

And Roy had to contend with a half-dozen industry lobbyists who worked in concert to kill the bill. They coordinated their testimony for the public hearing and distributed packets of statistics that bolstered their side. Even Richard J. Balducci, a former Democratic House Speaker who represents Nextel Communications, admitted the bill garnered an unusually large amount of lobbying.

"Our clients are concerned about safety, but they are happy that this occurred," Balducci said. "Sometimes, the job of the legislature is to sort out the positives and the negatives."

Under the bill, drivers faced a $75 fine if they were caught using hand-held mobile phones, except in emergencies. Opponents described it as a shortsighted bill that focused on only one of many types of driving distraction. Industry lobbyists argued that the January effective date left too little time for drivers to make their cellphones compatible to hands-free equipment.

"I think it probably met a just fate," said Sen. William A. Aniskovich, R-Branford, the deputy senate minority leader. "It was based more on anecdote than statistical realities." If the public safety committee had endorsed the bill, Aniskovich said, he would have then asked Senate leaders to refer it to the appropriations committee to deal with the cost to the state. In a May 7 letter to Aniskovich, the Department of Administrative Services estimated the expense to be at least $100,000 to buy the equipment for state vehicles.

Some legislators say the legislature would be better off considering the inattentive driving bill that is now sitting on the Senate calendar, waiting for action. That bill, proposed by Senate Minority Leader Louis C. DeLuca, R-Woodbury, would allow police officers to charge motorists with an offense called "driving while distracted" if a distractive behavior, such as talking on a cellphone, leads to an accident or other moving violation.

The same day that cellphone legislation died in Connecticut, New York Gov. George Pataki proposed a similar ban in that state.

Roy Occhiogrosso, a spokesman for Senate Democrats, said Sullivan likes the inattentive driving bill in concept and if there is enough support for the measure, it could be brought up for a vote.

Roy, the legislator, never chose to compromise on crafting a broader bill that encompassed a laundry list of distractions and he still isn't a fan of it now. He has been credited with raising public awareness and spurring drivers to regulate their own behavior, but what he really wanted was a law.

"I am certainly discouraged," Roy said. "I had a lot to overcome." (via Internet)

Chit-Chat

By Linda N1LPN

CORA & HH…

"It is difficult to say what is impossible, for the dreams of yesterday is the hope of today and the reality of tomorrow."
-Robert H Goddard

How many times has something seemed impossible in your life and turned out that it was not. All too often human nature tends to give up on a task when we are unable to see the end of it in sight.

This is actually my second article for this month that I have written. The first one was hard hitting and at times full of frustration over the way events have unfolded these last few months within CORA and the effects it has had on HH. Although I spoke the truth throughout the article, I have decided to put it away for now and instead put the wisdom of Robert H Goddard to the test.

Life never turns out as we plan it to. It seems just when you start to get comfortable with the direction it is flowing someone decides to throw a huge rock in your way and you are forced to turn and go in another direction. The rock that hit my life was the resignation of the current CORA President just a few months before HH, leaving Hal no options except to step up and take over the job. With our hamfest just a few months away, the board decided they needed someone with experience to do the job. Hal is also the current CORA Treasurer. He currently is holding the 3 most important, time consuming and stressful positions that CORA has and this includes the job of Editor of this newsletter!

All I could think of is this is unreal! Out of 12 clubs, isn't there someone else that can do the job? Hal is just one person and he works very hard, on an average of 45-50 hours each week, at his paying job. He does not get paid for what he does under the CORA name. By now, you can pretty well form an idea on what was in my first article.

To sum it up, Hal needs you to step forward and ask what can you do? He needs you to make sure the club sends 3 representatives to each CORA Meeting and to make sure those appointed do actually come to the meetings. He needs you to attend HH and show your support. If no one attends HH2001 this year, there will not be enough funds to host one for next year. Each year the CORA Board holds back just enough funds, seed money, for the next year's hamfest. They work on FAITH. If you do not attend, we will be unable to pay the bills for this year's hamfest, which will force CORA to fold and bring the end to not only the hamfest but this newsletter as well.

Hal believes in what CORA was created to do and that is to be a Service to the Ham Community. For the past few years he has begun to feel that he is the only one who really cares if it continues or not. Hal needs to know that what he is doing is appreciated by you and needs to be told. He has been President of CORA for 5 straight years and no one has thought during that time to honor him for a job well done. No club has seen fit to honor his work or dedication to this ham community, and that is sad. CORA is not a club but is an incorporation of clubs, so they can not honor him but it must come from the clubs themselves. This year will be his 6th year as President and host to HH. If I am not mistaken, that is a record for the longest anyone has been President of CORA.

I can not promise how much longer Hal will remain with CORA after this year's HH. He has for the past 2 years wanted to step down and have new blood take over the helm. He did last Sept. and was happy being the Treasurer. He took that position because no one would take it. CORA takes up most of his free time and now he is beginning to want to spend that time doing other things. He has stated this will be his last HH. The sad truth is before this happened, he had planned on taking off a few years as President and running for office again in CORA in 2002 or 2003.

I will say this; Chit-Chat was created for the YL point of view to be expressed in this newsletter and the very first article, July 1994, was just that. Now, here I am writing about my husband and the tasks that are before him. He needs your help and support and I knew of no better place to ask for that help than here.

Recipes:

Summer is here and it is a time for picnics and BQ and families to just have fun together. Here are just 3 recipes to try this year on your family and friends…

Southern Sweet Potato Salad

Submitted by: Sandy G.

I'm what you might call a "displaced Southerner". Though I no longer live there, I grew up in the South and I miss it terribly. This recipe helps to quell my homesickness.

Ingredients:
2 lbs. peeled, cubed sweet potatoes
2 Tbsp. lemon juice
1 cup mayonnaise
2 Tbsp. orange juice
1 Tbsp. honey
1 tsp. grated orange peel
1/2 tsp. ground ginger
1/4 tsp. salt
1/8 tsp. nutmeg
1 cup sliced celery
1/3 cup chopped dates
1/2 cups chopped pecans
lettuce leaves
1 can 11-oz mandarin oranges, drained

Directions:
Cook the potatoes until tender, about 5-8 minutes. Drain and then toss with lemon juice.

In a large bowl, combine the mayonnaise, orange juice, honey, orange peel, ginger, salt, and nutmeg. Add in the warm potatoes, celery and dates. Toss to coat well.

Cover and chill, stir in the pecans before serving.

Spoon the salad onto lettuce-lined plate. Arrange the oranges around the salad.

Applesauce Raisin Bread

Submitted by: Edna F.

For many years I've been on a quest for a really moist pan bread. I finally found it! Another reason that I love this recipe is the wonderful apple and spice flavor. Try it and I bet you'll agree! Great for picnics!

Ingredients:
1 cup applesauce
1/2 cup oil
1/2 cup sugar
1 3/4 cup flour
1 cup raisins
1 egg, slightly beaten
1 tsp. baking soda
1 tsp. cinnamon

1/2 tsp. cloves
1/2 tsp. salt
1/2 tsp. nutmeg
1/2 cup chopped nuts, optional vegetable oil spray

Directions:
Preheat the oven to 325 degrees F.

In a large bowl, mix the applesauce, oil and sugar. Add the egg. Mix well. Sift together the flour, baking soda, salt, cinnamon, cloves and nutmeg. Add to the applesauce mixture. Mix well. Fold in the raisins and nuts (optional). Pour into a sprayed 8" x 4" loaf pan. Bake for 1 hour and 20 minutes.

Cool on a rack for about 30 minutes. Top with a sprinkling of powder sugar.

Almond Joy Chocolate Pie
Submitted by: Elvee O.
Sometimes we all just need to treat ourselves. When I am having one of those days this is the first thing I crave. The recipe takes a bit of effort but it is well worth it.

Ingredients:

For the crust:
20 Almond Joy candy bar Miniatures or
10 Almond Joy Snack Size bars
3/4 cup graham cracker crumbs

For the filling:
1/2 cup sugar
1/3 cup cornstarch
1/4 cup Hershey's Cocoa
1/4 tsp salt
1 1/2 cups milk
1 tsp. vanilla
16 Almond Joy candy bar Miniatures or 8 Almond Joy Snack Size bars, cut in 1/2" pieces. (Candy will cut easier if placed in freezer 15 min before cutting.)
sweetened whipped cream or whipped topping (optional)

Directions:

For the crust:
Preheat the oven to 325 degrees. Lightly butter a 9" pie plate. Place ingredients in a food processor. Process until mix is thoroughly blended. Press onto bottom & up the sides of a prepared pie plate. Bake for 10 minutes. Allow to cool completely on a rack.

For the filling:
In a medium saucepan, stir together sugar, starch, cocoa & salt. Blend in the milk. Cook over medium heat, stirring constantly with a wire whisk, until it boils. Boil and stir for 1 minute. (Mix will be very thick.) Remove from heat; blend in vanilla. Add candy pieces and stir until melted. Pour into prepared crust; press plastic wrap onto surface. Refrigerate. Top with sweetened whipped cream, if desired.
Servings: 6 - 8

Fwd:Fwd:Fwd: Two different types of messages this month. The first is a humorous look at the weekend backyard cook and the second is a story that will touch your heart…

Definition of Outdoor Barbecuing
It's the only type of cooking a "real" man will do. When a man volunteers to do such cooking, the following chain of events is put into motion.

(1) The woman goes to the store.
(2) The woman fixes the salad, vegetables, and dessert.
(3) The woman prepares the meat for cooking, places it on a tray along with the necessary cooking utensils, and takes it to the man, who is lounging beside the grill, drinking a beer or glass of ice tea.
(4) The man places the meat on the grill.
(5) The woman goes inside to set the table and check the vegetables.
(6) The woman comes out to tell the man that the meat is burning.
(7) The man takes the meat off the grill and hands it to the woman.
(8) The woman prepares the plates and brings them to the table.
(9) After eating, the woman clears the table and does the dishes.
(10) The man asks the woman how she enjoyed "her night off." And, upon seeing her annoyed reaction, concludes that there's just no pleasing some women.

A LIVING BIBLE

His name is Bill. He has wild hair, wears a T-shirt with holes in it, jeans and no shoes. This was literally his wardrobe for his entire four years of college. He is brilliant, kind of esoteric and very, very bright. He became a Christian recently while attending college.

Across the street from the campus is a well-dressed, very conservative church. One day Bill decides to go there. He walks in with no shoes, jeans, his T-shirt, and wild hair. The service has already started and so Bill starts down the aisle looking for a seat. The church is completely packed and he can't find a seat.

By now people are really looking a bit uncomfortable, but no one says anything. Bill gets closer and closer and closer to the pulpit and, when he realizes there are no seats, he just squats down right on the carpet. (Although perfectly acceptable behavior at a college fellowship, trust me, this had never happened in this church before!) By now the people are really uptight, and the tension in the air is thick.

About this time the minister realizes that from way at the back of the church an Elder is slowly making his way toward Bill. The Elder is in his eighties, has silver-gray hair and a three-piece suit. A godly man, very elegant, very dignified, very courtly. He walks with a cane and, as he starts walking toward this boy, everyone is saying to themselves that you can't blame him for what he's going to do. How can you expect a man of his age and of his background to understand some college kid on the floor?

It takes a long time for the man to reach the boy. The church is utterly silent except for the clicking of the man's cane. All eyes are focused on him. You can't even hear anyone breathing. The minister can't even preach the sermon until the Elder does what he has to do.

And now they see this elderly man drop his cane on the floor. With great difficulty he lowers himself and sits down next to Bill and worships with him so he won't be alone. Everyone chokes up with emotion. When the minister gains control, he says, "What I'm about to preach, you will never remember. What you have just seen, you will never forget.

"Be careful how you live. You may be the only Bible some people will ever read."

—— End of Fwd Messages ——

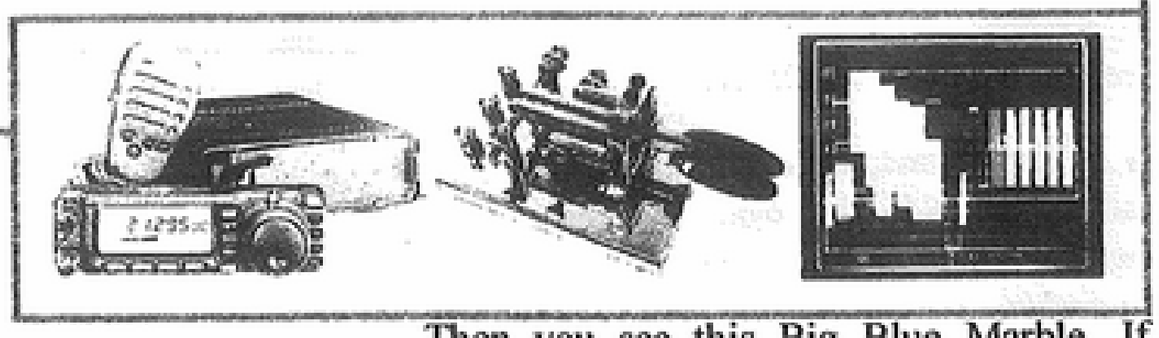
Well, we have come to the end of yet another Chit-Chat article. I know I have reminded you before but do get those pre-registration forms in the mail for HH 2001. After HH, plan to go out with friends to dinner afterwards and make it into a mini-vacation. Enjoy the Day my friend…

Until next month…

The Elmer Project Part III

Sponsored By The Oklahoma DX Association

Radiate, Propagate, Communicate!



Edited by Nelson Derks, AC5UP

It's not unusual for me to use the cliché "...this isn't rocket science" regarding some of the concepts in Amateur Radio. Most of it isn't. But, mark your calendar, because this month it *is* Rocket Science! And what a golden opportunity to scare off the feint of heart... We're going to start at http://science.msfc.nasa.gov/ssl/pad/solar/default.htm and I can assure you the NASA in this URL doesn't signify Norm And Sam's Automotive. We're talking Celestial Dynamics, The Solar Wind and their effects on HF propagation.

I had planned to slide into this topic with a few clever paragraphs on choosing an HF antenna. Fuhgetaboutit! There are tons of articles on antennas and chances are your choice will be affected more by your QTH and budget than anything else. If you're like me, you're never exactly finished playing with your antennas, anyway, so how's this for a quick segue: Even a rusty coat hanger will *radiate*; let's see what it takes to make it *propagate*...

With a little luck, the graphics will be readable and save us both the work of describing every concept in detail. The first lesson is that nothing in our solar system is stationary. Everything moves, and moves quite a bit. Let's say you have a 40 Meter sked every morning with an OM near Waukegan, WI. Some days it works, some days it doesn't. That's called Condx. We'll try again tomorrow. Sure, nothing changes as far as the distance from here to there, but it's too far for Ground Wave propagation and we're always dependent on Sky Wave, regardless of the time of day. There's a reason why I chose 40, as I recall a QSO between myself and an OM in Sapulpa on 40 that started at 20 over 9 and ended when we dropped below the noise floor about five minutes later. Probably 25 miles between us, and the RF path was almost straight up and down. Two Meter FM simplex (using a rusty coat hanger?) could have been more reliable.

Let's get back to our 40m sked with the Niner up in Wisconsin... In the 24 hours between Q's everything changed. The Sun rotates on a 27 day cycle relative to the Earth and we'll be seeing the Sun's surface about 13.33 degrees from where it was yesterday. The solar flares or surface anomalies that may have helped (or hurt) us earlier are now at a different angle. The distance from the Earth to the surface of the Sun is approximately 93 million miles in a slightly elliptical orbit. That puts the circumference path at better than 584 million miles per year, and it takes 365.25 days for one pass. Divide that, and your QTH is at least 1.6 million miles away from where it was yesterday relative to the Sun. You say you never go anywhere...? Don't worry, you'll be back in a year and we'll leave the light on for you. To finish the thought, if the circumference of the Earth is 25,000 miles at the Equator and rotates once every 24 hours, that's a ground speed near 1,000 miles per hour. The point here is that band conditions change constantly because our relationship to the Sun changes constantly.

In case you're wondering why I reference everything to the surface of the Sun, it's because HF propagation is so dependent on it. The numbers are staggering. Every day the Sun ejects countless ionized particles into our Solar System, and it takes plenty of kick to launch those particles to an escape velocity against the tremendous solar gravity. Darn good thing it does, as these particles form the upper layers of our Ionosphere that can reflect our radio signals between Broken Arrow, Sapulpa, and beyond. At the speed of light, the 93 million miles between the Sun and Earth is an eight-minute trip. Ionized particles don't travel quite that fast, but the magnetic pulse from a solar flare can. Things really *move* out there...

So, imagine you're an ionized particle whizzing through space. Not a lot on your mind, you're just looking for a good time. Then you see this Big Blue Marble. If you're like most particles, you're very attracted to the magnetic flux. The Earth is just one giant Dust Bunny when it comes to solar dust. The particles try to line up like the old science experiment with a bar magnet under a sheet of paper and iron filings on top, but the Solar Wind does affect the pattern. Some particles might be blown back into space by a gust of Solar or Cosmic wind while others eventually fall through. Want to see this in action? Do a web search on "Aurora Borealis" or "Northern Lights" to see how pretty the pictures are. For HF band conditions to remain good, a steady stream of ionized particles must replenish the upper layers without distorting the lines of flux.

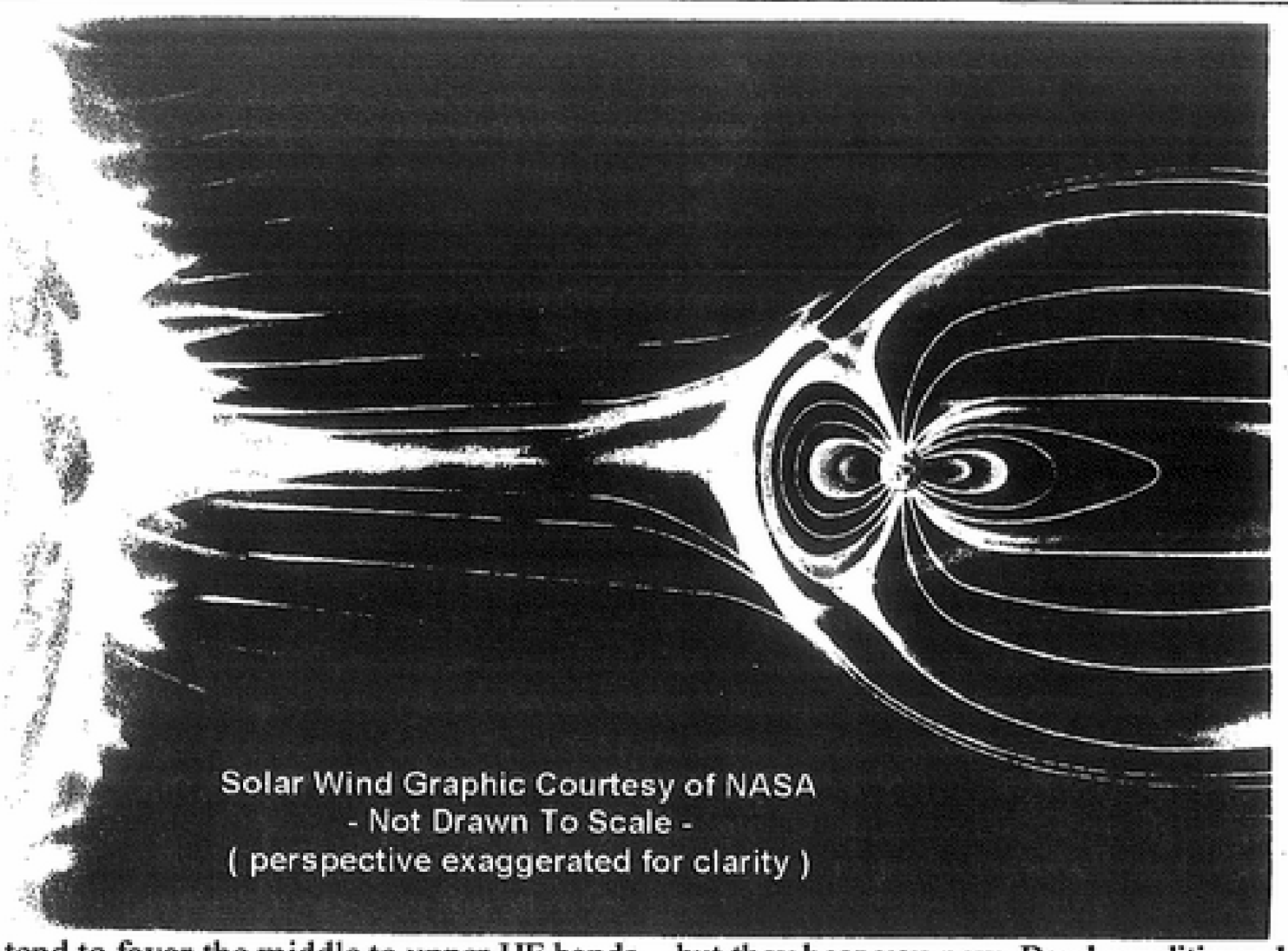
Astute readers know all too well the meaning of the previous sentence. A large solar flare or CME (Coronal Mass Ejection) can release so much ionized material that our ionosphere can be "blown out" or warped by a magnetic pulse so strong that you wish 40 Meters relied more on Ground Wave. In early February of 2001, the Sun flipped its magnetic field and that's considered a sign the current solar cycle has peaked. Normally we'd be celebrating the excellent band conditions. But, for the next few months, a series of enormous solar flares and CME's gave us HF conditions so poor that the dregs of the past cycle started looking good. The solar indexes were high enough for good DX, but the field angles were so bad that the HF bands shut down. It happens.

Take a moment to study the graphic on the next page. The Sun is to the left and sending a huge amount of both energy and ionized particles into our magnetosphere. Notice how the lines of magnetic flux are compressed on the sunny side and elongated on the shady side. Interesting perspective, Ehhh? If you learn anything from this article, the key point is that the

Earth (that little orb inside all those lines of flux) is rotating. As time progresses through Day / Night cycles relative to any point on Earth, the angles of reflectance change constantly relative to the ellipses of the flux field. That's a concept that helped me understand Grayline propagation and the seasonal variations on the HF bands. Notice how the lines of force are parabolic on the compressed side and relatively straight on the elongated side. Think that would change the reflected angle? You bet it does, and the DX signals we chase are constantly going through angular changes. When a big CME "dents" the parabolic shape of the F Layer, the reflection angle bounces your signal out into space instead of the Coaxial Islands. (IOTA RG-8)

So, what does this mean to you? RF is an electromagnetic wave affected by both the density of the ionized layers and the shape of the magnetic flux. The high ionospheric density on the sunny side favors the higher frequencies. The longer wavelengths of the lower bands tend to respond better to the densities found toward the shady side. That's why the upper HF bands work best during the day and the lower bands tend to play at night. As we go through the daily and seasonal cycles, your QTH will see the full variety of densities and reflectance angles. This explains why there is no "Best DX" antenna for any given band or mode. When you're dealing with reflected sky wave signals, the polarity and incoming wave angle are whatever they want to be at the moment. That's why a simple vertical can outperform a more sophisticated (but horizontally polarized) Yagi on some days. The trick to making a rare Q is often being on the right band, on the right antenna, and at the right time for the season of the year.

What does the season have to do with it? The Earth's axis is tilted about 30 degrees. In the Northern Hemisphere, we see the sun more squarely in the summer and much less so in the winter. In the Southern Hemisphere the opposite is true, and this effect is most pronounced at the poles. That's why you're more likely to work LU's and VK's in the spring and fall than in June or December. The overlap in seasonal conditions is beneficial on both sides of the path. This also explains why working Antarctica can be a challenge... The Ham population is greatest during the Antarctic summer, and that's our winter, an unlikely time to find a favorable path that far south. It can be done, but the odds



tend to favor the middle to upper HF bands like 20 through 15 Meters.

Which leads us to another point... Those with a flexible attitude toward band usage tend to have more interesting logs than the OM's who set up camp on one band, only. We're all creatures of habit to some degree and many of us grow into a favorite band or mode. Nothing wrong with that, unless you're a 160 Meter devotee who works nights and makes plans for serious DX'ing during your two week vacation in July. It's not gonna' happen. As a general rule, the long days of late spring through early fall favor the higher HF bands while the lower bands perform best during the long nights of the cool months. Spring and fall tend to be the most interesting DX seasons. Adjust your operating style with the seasons, be flexible, don't ignore a band out of habit or decide it's a bad radio day based on your first impression in the morning. Band conditions change throughout the day and the clever DX'er checks them regularly. It's all in the odds, averages, and "luck".

With all this to consider, it's easy for the casual operator to just work 'em whenever they hear 'em. Here are a few tips if you fit that description (and many of us do!).

• You're having a great conversation with the regular group on 14.2xx when some LID starts calling "CQ Contest" 300 Hz up! The testosterone kicks in and you give 'em the old heave-ho. It's possible the calling station couldn't hear the OM who's been on the key for the past five minutes, but they hear you now. Band conditions do change; give them the benefit of the doubt.

• *Really* listen before you transmit, and in more ways than the example above. When I'm in the mood for Serious Radio (it can happen), I take the time to scan through several bands and modes to get a feel for what's out there. My habits include a quick check of WWV as an indicator of which frequencies are good into Boulder, but not as the definitive indicator of which band is open. I've worked plenty of RU's when WWV was weak, and missed plenty of IOTA's because I settled on one band.

• Remember to take a spin through the Beacon frequencies, especially if you're a fan of Ten or Six Meters. You can increase your odds of working a rare one when you're handy at more than one mode. In future issues, Clif Sikes, **N5UW** will tell us he's had excellent results with CW as his "Serious DX" mode, and I'll tell you RTTY has been good for me when polar distortion makes 'phone hard to deal with.

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For more info about propagation, visit the Magnolia DX Association web page at http://www.mdxa.org/ and check the links. (especially the real-time MUF map!)

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— 73 and Good DX!

Altus Area Amateur Radio Association

INTRODUCTION

The Altus Area Amateur Radio Association was presided over by the president, Dale, N5VX, with 14 members and 3 guests attending.

James, AB5FS, gave the treasurer's report. Last month's minutes were made available on the table at the back of the room.

OLD BUSINESS

ARES meetings are the fourth Thursday of every month at the Fire Department on Main. If you are an ARES member, please try to attend. If you aren't an ARES member, consider joining. We'd love to see you there.

This past weekend was the car show. The MCC was displayed, and then parked at the covered parking area our organization provided for show cars. Fundraiser was less profitable than expected, however, some lessons were learned. Some new ideas for next year were developed. 14 HAM operators worked the closed cruise and several police department members have complimented our efforts. Overall, we had a successful weekend and lots of fun.

The breakfast meeting this month will be at Checkers – across from United, May 26th at 8:30 am. Come if you can.

Some people have still not paid dues AAARA. If you wish to continue to be a member, please get your dues paid.

Thank you Dave Forster, KD5KCG for providing refreshments for this meeting.

We are still working on building a current and updated membership roster. If you were not here to verify your information at the last meeting, please see James, AB5FS.

Lawton is having a bike race the weekend of 26 May. Our help would be welcomed if anyone would like to volunteer, talk to Dale, N5VX. On the subject of Lawton, their club meets the 1st Tuesday of every month. We could learn something and promote closer working relationships if some of us would attend their meetings occasionally. We have been told we are always welcome.

If you haven't given money for repeater maintenance and you use the repeater, please consider doing that. Repeater maintenance can be very expensive and with electricity costs rising it's more important than ever that we all do our part. You can give repeater funds to Dwight, Lauren Sims at 1st State Band or Don Hayes. There will also be a donation box set up at our meetings in the future where you can drop off a check.

Donna Hughes, KB5UNB, has volunteered her services as a dog obedience trainer for a future fundraising activity.

Polo and T-shirts have been ordered. They should be ready in two to three weeks.

Our next test date is Monday, May 21st. Testing will take place at the Vo-tech, 6:30pm.

James, AB5FS, is working on setting up a code class. Anyone interested can contact James.

NEW BUSINESS

We have the library window for any HAM items of interest. Ron Roman, KD5CYW, is heading up this project; contact him if you have anything to loan for the display or ideas or to volunteer to help.

Field day is the last weekend in June the 23rd and 24th. Ron Hughes, KB5UVC, is heading up this project. A picnic is planned during the event, Janice, KD5BNO is in charge of picnic details.

We are still having problems with noise on the 79 repeater. Dale, N5VX and a volunteer crew will try to track the noise, if that doesn't work, the repeater will be toned.

Ron Roman, KD5CYW and Ron Hughes, KB5UVC, are driving and have room for two more passengers if anyone is interested.

NEW STUFF/EVENTS

- Dale, N5VX, spoke about his latest project, the Elecraft Kit Radio. He ran into a technical problem putting it together and called the Elecraft support people who were very helpful and courteous in helping him find the problem and get it corrected. Great customer service. This project is still in the works. Go ahead and ask about it – he likes that.

The meeting adjourned – 8:30pm

Minutes by Debra, KD5LMW.

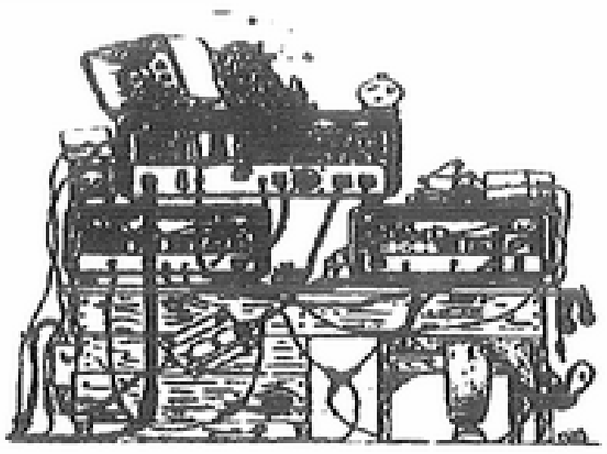
NOTE FROM THE PREZ…

Hi all. It's been another interesting month. Most of us scrambled like crazy to get ready for the Altus Car Show that took place on May 4th and 5th. Although things got a little hectic just prior to the event, I think we all had a good time and performed a valuable community service. I haven't heard directly from the Police department, but some comments that I heard, second hand, indicated that they were glad to have us on board and we can look forward to doing this type of service again in the future.

Speaking of the future lets all start getting ready for Field Day. The biggest event of the Ham Radio year is just around the corner. On June 23 and 24 we will set up in Ashly Park just north of Altus on Highway 283 off the north end of the municipal airport runway. We'll spend 24 hours making contacts with potentially thousands of other Amateur Radio Operators around the country. This year, like last, we'll be having our annual picnic on that Saturday, so don't forget to bring food. If you need more detailed information about the picnic call Janice Cramer, KD5BNO. If you need more detailed information about Field Day events, call Ron Hughes, KB5UVC.

That's about it for this month. See you at the club meeting on June 14th or the ARES meeting on June 28th.

Respectfully, Dale Town, President



Ada Amateur Radio Club

The Ada Amateur Radio Club monthly meeting was held May 07, 2001 at the Salvation Army Headquarters 115 North Oak Street Ada, OK. Meeting was called to order at 0910 local time by club president Charles, KC5TGA with attendance of 20. We were glad to see that Tom Gilliam, KK5XI was feeling well enough to attended the meeting, we have all missed him, and hope he is on the road to recovery. We were also glad to have James Klicker, KC5KFC attend the meeting. Our thoughts and prayers are with Clovis Plantz, N5YSP his wife is sick and in the hospital we wish her a speedy recovery.

Scott, KD5AJL presented treasurer report; and passed around among the members present and was passed by a show of hands.

The Ada Fest May 19, 2001 was held on Main Street in Ada. The Ada Amateur Radio Club was set up the Salvation Army Canteen, to assist the public along with the Police department, assisted with one lost child, that little girl's mother was glad to see all of the security, and also contacted EMS for assistance of one girl down. The club also handed out apx. 500+ cups of water and several water bottles and baby bottles were filled with water. The water and cups we used at the Fest were donated to the club by Culligan Water in Ada.

The following names assisted with the Ada Fest:
Charles Etier, KC5TGA
Sam Jewell, N5IY
Rick Blansett KC5UGD
Tom Jones, KD5GTY
Mason Smith, WT5X
Scott Renes, KD5AJL
Carl Foster, KC5WBH
Hal Nunn, N5HBM
Roy Throne, KB5STV
George Wrigt, KB5UAF
Derrel McDonald, KC5DDS.

I hope I haven't left any one out of the list. The club did a great job of really working together and organizing this event.

Sam Jewell, N5IY spoke at the meeting about the N.O.A.A. programmable weather radio with the S.A.M.E. system, explained how the radio worked in the event of a storm warning.

Ada Amateur Radio Club would like to welcome a new member to the club, Eddie Jump, KB5IUG.

Congratulations to Rick Blansett, KC5UGD on upgrading to general class.

The plans for field day was discussed, hope to see everyone at field day June 23, 2001. It will be held at the airport, south of the National Guard Armory. The June meeting will be the last meeting before field day and we will go over our plans to make sure that nothing has been left out. Criswell Funeral Home has let us use there tent once again as they have for several years now and we really appreciate the use, esp. in the 90+ temps and those June showers.

Meeting adjourned at 1005, VE session followed the meeting.

Wish everyone a safe Memorial Day,
Ada Amateur Radio Club Secretary
Darla Coffey, KC5RGU

<u>The things they Carried....</u>

If you wear/wore the uniform of your Country (no matter what uniform, no matter what country), this is for you.

They carried P-38 can openers and heat tabs, watches and dog tags, insect repellent, gum, cigarettes, Zippo lighters, salt tablets, compress bandages, ponchos, Kool-Aid, two or three canteens of water, iodine tablets, sterno, LRRP-rations, and C-rations stuffed in socks. They carried standard fatigues, jungle boots, bush hats, flak jackets and steel pots. They carried the M-16 assault rifle. They carried trip flares and Claymore mines, M-60 machine guns, the M-70 grenade launcher, M-14's, CAR-15's, Stoners, Swedish K's, 66mm Laws, shotguns, .45 caliber pistols, silencers, the sound of bullets, rockets, and choppers, and sometimes the sound of silence. They carried C-4 plastic explosives, an assortment of hand grenades, PRC-25 radios, knives and machetes.

Some carried napalm, CBU's and large bombs; some risked their lives to rescue others. Some escaped the fear, but dealt with the death and damage. Some made very hard decisions, and some just tried to survive. They carried malaria, dysentery, ringworms and leaches. They carried the land itself as it hardened on their boots.

They carried stationery, pencils, and pictures of their loved ones real and imagined. They carried love for people in the real world and love for one another. And sometimes they disguised that love: "Don't mean nothin'!"

They carried memories for the most part, they carried themselves with poise and a kind of dignity. Now and then, there were times when panic set in, and people squealed or wanted to, but couldn't; when they twitched and made moaning sounds and covered their heads and said "Dear God" and hugged the earth and fired their weapons blindly and cringed and begged for the noise to stop and went wild and made stupid promises to themselves and God and their parents, hoping not to die.

They carried the traditions of the military, and memories and images of those who served before them. They carried grief, terror, longing and their reputations. They carried the soldier's greatest fear: the embarrassment of dishonor. They crawled into tunnels, walked point, and advanced under fire, so as not to die of embarrassment. They were afraid of dying, but too afraid to show it. They carried the motional baggage of men and women who might die at any moment.

They carried the weight of the world.
THEY CARRIED EACH OTHER.

Remember them always and the gift of Freedom they gave us all.

(via the Internet)

BIRTHDAYS:
The following EARS club members have May birthdays:

6-06	Tom Harris	Tom Harris
6-06	Shirley Thornton	
6-07	Kay Sage	KB5LDO
6-08	David Wolf	KC5KJE
6-10	June Zimmerman	KD5IYJ
6-12	A.C. Adams	KA5WGV
6-15	Regina Adams	KD5MCD
6-17	Donald Waits	N5KLI
6-26	Ken Dunn	N5KWV
6-26	Charles Emmons	KD5JBI
6-28	John King	KB5BLE

Happy Birthday!

MEMBER INFORMATION:
Please forward any changes in your membership information to Regina Randall KD5MCD who is our Membership Secretary. kd5mcd@arrl.net is her Email address.

MAY BOARD MINUTES
Edmond Amateur Radio Society
Board Meeting Minutes
May 8th 2001

The Meeting was called to order at 7:00 by Club President David Wolf KC5KJE.

In attendance were: Robert Coxsey KM5GZ, Lee Vaughn KA5WIS, Earnest Wolf K5YKD, David Nunn KE5SN, David Wolf KC5KJE, Tom Harris KD5IOY, Dee Mize WD5FHR, Regina Randall, KD5MCD, Ed Price KA8NBG, Dick Stimson KK5XO, Steve Christy N5ZQ, Bill Hoag K5URM, Robyn Price KD5ISC, Terry Deas W5WTD, Ken Snyder N5TWC, Sue Snyder N5VWI, Ron McCubbin KC5QCV, Clara Granger KG5UG, Curtis Foote KC5GEP, John Thomason WB5SYT, Ken Stepp N5DBM.

Officers Reports
Vice President: Dick KK5XO said that the Field Day dinner had been set up. It cost $5.00 for adults, $2.50 for children, & children under 12 free. It is to be paid for at Field Day.

Secretary: Bob KM5GZ asked if the April Board Meeting Minutes had been read. A motion was made to approve the minutes as presented. It was voted on & approved.

Treasurer Report: Robyn KD5ISC read the financial report. A motion was made to approve the Treasurers Report as read. It was voted on & approved. Robyn wrote a check to Ken Snyder N5TWC for a Gift Certificate that had been approved last month. There were 2 more reimbursements. Both of these needed to be voted on. One to Terry W5WTD and to Ken Snyder for two cooling fans at the repeater site. The reimbursements were voted on & approved. Robyn asked the Board what the prices of the extra Club patches should be. A motion was made to charge $4.00 for the small ones & $6.00 for the large ones. It was voted on & approved.

Repeater Trustee: Dee WD5FHR said everything was okay after the phone lines were repaired at the repeater site.

Emergency Coordinator: Ken N5DBM said that there had been a couple of weather nets lately. He said that either he or John WB5SYT or Curtis KC5GEP would be at the EOC. The City of Edmond has sent Ken to a 2-day weather school. He handed a pamphlet around that explained what is done by the EC & helpers. He said that there may be more shelters opened up by the City. Lee KA5WIS said that the equipment had all been grounded at the EOC. Lee said that the Icom dual band radio at the EOC was picking up a lot of interference from all the electronic equipment in the EOC area & that is was mostly useless for their purposes. The old Kenwood doesn't have any of these problems. He said the Club needs to look into purchasing a better radio with a better front end. Ken said that it needs to be simple to program. Dick asked if 2 single band radios could be connected to a duplexer. Bob suggested to try several Club members radios before any purchase is made.

Board Members: Terry said that the Club will have the licensing classes again this year. He passed out a sample registration form. He said the classes may be in the same room as this board meeting.

Ed KA8NBG had nothing at this time. Steve N5ZQ said that the last VE test session went really well. The test session time is being moved to 10:00 in the morning. Tom KD5IOY had nothing at this time.

Past President: Curtis, nothing at this time.

Committee Reports
Activity: Lee said that the July 4th. parade is coming up. Meeting time will be 7:00 AM. The Shriners will be 1 entry as usual. UCO has already called Lee about their Homecoming parade.

HF: Ed said he would like to set up a PSK31 station at Field Day. He said it would get double points. He may set up a demonstration at the Club Meeting.

CORA: Ron KC5QCV said that Tom Miller resigned as CORA president. Hal KB1ZQ will take over until elections. Ron said if anyone wanted to be CORA president, to come to a meeting. Earnie K5YKD said that the CORA VP couldn't take over because of health concerns. Ham Holiday coming along okay. CORA bought a PA amp. They won't have to rent one from the Fair Grounds. Robyn asked if the Club needed to have a copy of the C&E to come to the Club. The consensus was not to pay for a copy for the Club.

Membership: Regina KD5MCD said the Club now has 165 members. She will change some e-mail addresses in the roster & will e-mail them to the Board Members. She said there were about 10 members that did not renew with the Club this year for different reasons.

Calling Comm: Clara KG5UG said that she has taken over as the Calling Committee Chairperson. She asked for more help. She needs at least one more person.

Health & Welfare: Clara said it was good to see Tom here tonight. She said Marion Dollmeyer told things were going okay. Clara thanked the Club for all their thoughts & prayers & nice cards she received after the death of her mother April 20th.

Web Page: Ed said he checked into putting voice on the web site & that it would be more than the site could handle. Too massive.

Net Control: Bob said that he wanted to thank Jason KB5EYE for stepping in last Monday night & running the Net on a minutes notice.

Old Business

Review Committee: Curtis said that he had the financial report in hand & has 1 person lined up to help with the review. Will need to get 2 more.

Insurance Review:_Robyn said that the papers haven't been received yet.

Float for July 4th. parade:_ David said that there had been talk about using Lee's RV for the Float.

Statehood Day Special Event QSL's: Ed said that there will be an envelope stuffing party at the Club Station next Thursday night May 10th. to get the QSL's sent off.
Field Day Dinner: Dick passed around a sign-up sheet to see how many might be at the dinner.

Field Day: David said that Field Day station was going to be at Fink Park. Ed said that the call N5N had been obtained for the Clubs use. The North pavilion will be Voice & the South Pavilion will be CW. Robyn said that she had 4 extra Field Day shirts & pins if anyone wanted one. The shirts are $9.95 & the pins are $5.00. She also has 1 pin from last year.

Scholarship: David said that the applicants' request's for the Scholarship had been sent to the 3 judges. One judge has already sent his recommendation back to them.

New Business

Field Day Call Sign: David said that Jim N5OHL has obtained the Call of N5N for Field Day. A motion was made to accept this as the call sign for Field Day. It was voted on & approved. Extra Class Study Group: Lee said that he was starting an Extra Class license study group next Tuesday May 15th. Bill K5URM said that many people have Internet & could down load practice tests.

Club License Class: The board discussed the class of the club station license. The club station license trustee is in the process of upgrading to extra class.

General Study Group: Regina & Tom said they would like to see a General Class study group formed. Curtis said that he would head that up & it could also be on Tuesday nights in the other room at the Club Station away from the Extra Class study group. An announcement will be put on the Monday Night Net & Lee said he would be the contact person for it also.

Classes: Clara has contacted the ARRL about the books for the classes. She has also contacted K&E about getting the books from them. K&E said that they would take back any unused books. She asked the Club for the money for the books & refreshments to start the classes. It was agreed to fund the classes up front. No vote taken.

A motion was made to adjourn. It was voted on & passed. The May 8th. Meeting of the Edmond Amateur Radio Society was adjourned at 9:10 PM.

Minutes written & submitted by:
Robert Coxsey KM5GZ
Club Secretary

FUTURE ACTIVITIES:

Be sure and check the Monday Night Net, or www.edmondsun.com/ears for updated information on these events.

The following will look familiar from last (and every) month.

The June Siren Test will be on June 2nd at noon. The July Siren Test will be on July 7th at noon. The greatest threat of the year is here. Help us make sure the warning system works. Please let Edith KA5YPX know you can watch a siren when she asks, so she won't be short of watchers. Help her out by calling her at 348-2961.

Friday Lunch is not an official club function, but you can enjoy good food and company each Friday at the Delta Café on 33rd in Edmond at noon. Contact KM5GZ for more information.

Breakfast is and official club function each Saturday at the Golden Corral on South Broadway around 8:15 on each Saturday morning. Maybe as late as 8:45.

Tuesday nights are study sessions at the club station for General and Extra Class licensing. Separate sessions for each test. Come on and get moving faster toward your next upgrade.

The club station is open on Thursday nights for general use. Check the repeater in case of really bad weather. It's a good chance to see HF in action. The equipment is sitting there waiting for you to operate it.

Don't forget the Monday Night Net. You can check in every Monday night at 8:00 PM on the 147.135 (positive Tx offset) repeater. Bob Coxsey KM5GZ is the net manager. This net may be the best resource in Oklahoma for keeping up with what's going on in the area amateur community. Make it a habit to check in.

The next Board Meeting will be at the Edmond Community Center at 7:00 PM on June 12th. We're in a different room from the Club station so there is plenty of room.

The June Club Meeting will be a Dinner Meeting in conjunction with Field Day. It will be a catered BBQ meal in Fink Park on the 23rd of June. $5.00 for adults, $2.50 for kids12 and under, and free for kids under. Fred's Catering from Edmond is doing the cooking this year. It should be quite a meal and quite a good time.

To expand on that, Field Day will be in Fink Park south of UCO on the 23rd of June. The voice stations will be in the north section and the CW crew will be on the south side. Planning is continuing. Thanks to KD5MCM Aaron Gates for the donation of a nice antenna that will be put to use that Saturday. Listen to the Monday Night Net for further information.

The club is active again this year in assisting the City of Edmond in opening community storm shelters. To do this we need more volunteer shelter monitors to step up to the plate and give us a hand. There isn't too much involved, and it puts you in the safest place to be in case a storm heads this way. We really need you to step up to the plate. If you are ready, talk to the club Emergency Coordinator, Ken Stepp, N5DBM at 341-4501or Joyce Wolf KC5NBI at 340-7486 and let them know about your interest.

HEALTH and WELFARE:

Hi everyone,
Marion, wife of Clarence Dollmeyer KB5RR, is doing about the same-holding her own and grateful to be at home. They both enjoy watching the beautiful birds, especially the hummingbirds feasting on the nectar prepared for them. They

appreciate our payers so please continue to remember them.

Hope all the Moms had a wonderful Mother's Day and that all the Dads have a HAPPY Father's Day on June 17th, 2001.

73 de Clara Grainger KG5UG

That's it for this month. Please send information for next month's C&E to Curtis Foote at cfoote@theshop.net so I won't have to take up so much space.

RADIO REGULATIONS: THE DTV THE SAGA CONTINUES

Yet another follow-up to the ongoing digital television saga. This, as President Bush makes good on a promise to try to charge broadcasters millions of dollars in squatters taxes until they make the transition to digital. NewslineÆs David Black, KB4KCH, has more.

In his official budget submitted to Congress, Proposes Bush proposes charging station owners a total of $200 million per year starting in fiscal 2002 and running through fiscal year 2006 if they want to continue using their current analog T-V channels. But so far congress isnÆt buying his idea.

The new president first pitched the notion in a budget outline forwarded to Capitol Hill earlier this year. The President appears intent on pushing his plan through Congress, even though key Republicans oppose it. This includes Representative Billy Tauzin, the chair of the influential House Commerce Committee. "There doesn't appear to be any sentiment to impose punitive fees on broadcasters," says Tauzin aide Ken Johnson. The National Association of Broadcasters, which usually wields great support among Republican administrations, opposes Bush's scheme.
From Birmingham Alabama, IÆm David Black KB4KCH reporting for the Amateur Radio Newsline.

The White House believes the spectrum charge would provide an incentive for broadcasters to go all-digital by the 2006 deadline. The FCC intends to auction the spectrum to the wireless industry. *(ARNewsline(tm) from published reports)*

ENFORCEMENT: REPEATER PROBLEM SOLVED - ANOTHER POPS UP

An interference problem to a ham radio repeater in Iowa has been solved through mutual cooperation. According to the FCCÆs Riley Hollingsworth, K4ZDH, it was simply a matter of getting the hams and the paging system operator communicating with one another:

Hollingsworth Here In-Q: We are happy that another... Out-Q: ...and the problem was solved very quickly. --

Meanwhile, HollingsworthÆs office has undertaken yet another interference problem involving a ham repeater. In this case a fire department transmitter in Spartenberg South Carolina is interfering with the W4RWG repeater located in the Union County area.

The Westview Fairforrest Fire DepartmentÆs transmissions take place on 154 Mhz but are being heard on the Amateur system which receives on 144.650 Mhz. Hollingsworth says that the parties have to meet and take steps to resolve the problem. The fire department was given twenty days from date of notification to respond. *(FCC)*

THE INTERNET AND HAM RADIO: FREE IONESPHERIC PREDICTOR

Turning to ham news from the Internet, a new program called W6ELProp claims it can predict ionospheric sky-wave propagation between any two locations on the earth. This, on frequencies between 3 and 30 MHz. Better yet, W6ELProp is freeware and is available from www.qsl.net/w6elprop/ . Go give it a try. *(VHF Reflector)*

NAMES IN THE NEWS: HAM NAMED MOTHER OF THE YEAR

And you knew her as teenager Kelly Howard N6PNY, in the ARRL promotional video ôThe New World of Amateur Radio.ö Today she is still N6PNY but she is Kelly Lenhert and she has just been named ôMother of the Yearö by the Foresquare Gospel Church of Burbank California.

Since 1990 N6PNY has been the wife of Steven Lenhert. The couple have three children -- Michael age 6, Aimee age 2 and Amber who is 5 months old. In addition to raising her family, Kelly is very active in her churchÆs pre-school and youth programs. The ôMother of the Yearö award was presented to N6PNY on Saturday evening May 12th.

(ARNewsline (tm))

TECHNOLOGY: WEB CONTROLLED RADIO GOES MP3

Bob Arnold, N2JEU, the ham considered as the father of web controlled remote receivers reports that he is testing new streaming technology. Bob tells Amateur Radio Newsline that instead of the usual RealAudio technology he been using, he is now trying a streaming MP3 format. Its a technology from www.shoutcast.com using a server located at www.live365.com.

N2JEU is asking for those who have some time to drop by the site, take a listen and let him know how it sounds. You can tell him by e-mail to arnoldr@ralabs.com. BobÆs web controlled receiver is located in cyberspace at www.ralabs.com/webradio. *(N2JEU)*

TECHNOLOGY: IBM PLANNING SELF MONITORING SERVER

A self repairing computer for use as a server has long been a dream of science fiction writers. But now the idea of self-maintaining, auto-administering and foolproof computer hardware may not be too far off.

IBM unveiled plans to focus research and considerable funding toward developing an electronic business server that monitors itself for problems and then repairs itself. The company will devote 25 percent of its research and development budget for servers toward the project, named eLiza. The amount will run into the billions of dollars over several years.

(*IBM press release*)

INTERNATIONAL - FINLAND

This year the Annual Summer Camp of the Finnish Radio Amateur League will take place between July 5th and 8th. This year called Hietahami 2001, the camp is hosted by the University of Oulu Radio Club, OH8TA. The site is located close to the center of Oulu, which can be reached by train, plane or bus. More information is at http://oh8ta.oulu.fi/hietahami/en/*(Q-News)*

Enid Amateur Radio Club

(EARC) Minutes – Thursday, May 24th, 2001

President: Dean Feken-KL7MA
Vice President: Sam Cotter-KD5EUS
Treasurer: Dwayne Posey-KC5QVS
Secretary: Tim McAnally-KD5KTB

Notes From the Secretary: Tim KD5KTB
We are at the half way point in the year and now is a good time for you to review the progress the club has made. We have had excellent participation in the events we have done and we are doing more events this year than last. We have had demonstrations at 2 schools with over 76 students and several teachers and ham operators participating. We had 17 help with the Tri-State parade which is our largest participation for this event. The March of dimes walk America ran very smoothly. And now we have been asked to help with events that we have not previously participated in. Everyone should take a deep breath and relax a little and come out to the Field day at Crosslin Park on June 23rd for a great time. Job Well Done!

Minutes of Meeting:
President Dean (KL7MA) called the meeting to order at 7:15 pm Thursday, May 24th at the American Red Cross building. Everyone was welcomed and there were no guests present. There were 14 members Present including: Bill Wehling-KC5OKG, Theresa Locke-KC5TTD, David Locke-KC5SII, John Turner-KA7GLA, David Nichols-KD5KOM, Tim McAnally-KD5KTB, Dean Feken-KL7MA, Sam Cotter-KD5EUS, Al Fox-KD5BA, Clint Clay-KB5OEQ, Dan Voth-KM5DH, Ralph Gandy–N0NOU and Frank Penner-KC5PCI.

Dean reported a correction to last months minutes to correct the spelling of guest Zonna Feken. Bill-KC5OKG made a motion to approve the minutes from the March meeting as corrected and Bill 2nd the motion and the minutes were approved by the members.

Treasurer Report: The Treasurer Report was not available.

Training Report: Sam reported on the Monroe school demonstration which was presented on May 24th. Members helping were Dave Chael, Bob Morefield, Bill Wehling and Sam Cotter. There were 42 students and 2 teachers participating. They were from the 6th grade at Monroe grade school. Contacts were made on 2m and 70cm. Contacts were not able to be made on HF. A keyer was used and one student was able to key her name after just a few minutes of instruction. The school requested we come back next year.

Sam also reported that there are currently 3 participating in the code class on Monday and Tuesday evenings from 6:30 – 8:00pm at the Central Christian Church.

Dean asked if there was any interest in a General or Advanced class. Some discussion took place and it was suggested we wait until after the code class is completed before starting another class. We would like at least 4 or 5 people to commit to a General class before we schedule one. There was also some interest in an Advanced class.

Repeater Status Report: John reported that crystals have been ordered from International crystal for the 145.29 repeater. This should resolve the drifting problem when they get hot.

The North site 444.400 repeater harness has arrived and we need to plan and schedule a tower climb to swap out the harness and antenna. The DB224 antenna needs swapped with one that is tuned better for our frequency. A motion was made by Al to approve the expense for having the tower climbed upon approval from the Treasurer. Ralph 2nd the motion and the members approved it.

John also reported that Saint Mary's Hospital has requested we consider installing a repeater on their tower on the Hospital. They requested the media be present during the installation. Power and emergency power will be provided by the Hospital. Dean suggested a spectrum analyzer be used to check out intermod that may exist from pager or other equipment in the area prior to any installation. The EARC has spare repeaters available and no expense is expected with this request. The repeater working group will put this on their agenda and report back to the club at the July meeting

Dean reported on the Perry repeater. It uses 442.925 simplex with no tone and is linked to the OKC repeater 145.410. Dean has received excellent reports on the repeater. Dean brought the IDer he has built for the repeater and expects to have it installed in the next week or two. The repeater is an Alinco 605 with 35w on UHF and 50w on VHF. Work continues on possibly using a second 605 and cross band linking.

Other Old Business: Dean provided an update on the IRS Section 501 Certification for Tax Exempt Status. The Accountant has a couple more forms to complete and progress continues.

Tim reported that Curtis has new equipment for his own web server and has offered to host the club page on his equipment for a small fee. It was suggested we continue on the Gandy site until the web page is further along on its development and then the club will reconsider moving it.

John reported that wire may be installed along the roof edge for the Red Cross building antenna installation.

Al requested that the C&E correct the VE exam paragraph on the next to last page Announcement section where it should read: "VE exams in Enid are done on odd months starting with the month of January. On the 2nd Saturday at 10:00 AM at the Oklahoma Natural Gas Co located at the corner of HWY412 & Garland Rd., across east from Atwood's store. The testing is PRE-REGISTER ONLY. Contact Dean Feken-KL7MA at 580-336-3326 or Tim McAnally-KD5KTB at 580-234-0948.

The "On the Air" section of C&E needs to changed to the following: "Enid Monday

night ARES Net @ 7:00 p.m. and the Enid Amateur Radio Club Monday night net @ 8:00 p.m. on 145.29 / 444.400 linked repeaters.

FIELD DAY: June 23rd and 24th

Sam reported on the field day and requested volunteers to bring various meats and sides. Several volunteered for the meats and others will bring side dishes. The dinner will begin at about 6:30 pm Saturday, June 23rd. Those who can help with setup of the equipment should be at Crosslin Park prior to noon. Contact Sam Cotter-KD5EUS if you can help for specific times.

New Business:

Al reported that the YMCA has requested our help with the June 2nd "Longest Run in The World" event. This is short notice and those wanting to help should meet at 8:30am at the YMCA Saturday morning June 2nd. Al would like at least 6 people to help with this event.

Al also updated us that the YMCA would like us to help with the November 23rd run at 4:00pm which is the same day as the Fire Works event for the "Enid Lights up the Plains"

David would like to do a APRS demonstration but needs help with some equipment. Dean will help with a laptop and TNC. Winaprs software will need to be installed on the laptop. David currently has an APRS station on 144.39.

Welcome back to Frank-KC5PCI from his hospital visit. He is doing well. We were not sure Greg-KD5MFY was out of the hospital after back surgery Monday. Our prayers and thoughts continue to be with him during his recovery.

Sam moved we adjourn and John 2nd the motion. Adjourned at 8:32 pm.

Enid EARC 2001 Calendar of Events:

06/02/2001, Saturday, YMCA "Longest Run in the World"

- 06/24/2001, Saturday - Sunday, Field Day

07/04/2001, Wednesday, Enid Symphony & Fireworks at Meadow lake park

08/04/2001, Saturday, YMCA Triathlon

09/15/2001, Saturday, Cherokee Strip Parade & possible 5K run

11/23/2001, Friday, YMCA Run 4:00pm

11/23/2001, Friday, Enid Lights UP the Plains Fireworks 6:00 pm

Respectively submitted by,
Tim McAnally-KD5KTB EARC Secretary

HUGS ARE BETTER THEN DRUGS

If you can start the day without caffeine,
If you can get going without pep pills,
If you can always be cheerful, ignoring aches and pains,
If you can resist complaining
And boring people with your troubles,
If you can eat the same food every day
And be grateful for it,
If you can understand when your loved ones
Are too busy to give you any time,
If you can overlook it
When those who love you take it out on you
When something goes wrong through no fault of yours,
If you can take criticism and blame without resentments,
If you can ignore a friend's limited education
And never correct him,
If you can resist treating a rich friend
Better than a poor friend,
If you can face the world without lies and deceit,
If you can conquer tension without medical help,
If you can relax without liquor,
If you can sleep without the aid of drugs,
If you can say honestly
That deep in your heart you have no prejudice
Against creed, color, religion or politics,

Then, my friend,
You are almost as good,
As your dog.

---- Author Unknown

OK DX
Just for the Fun of It!

OKlahoma DX Association

June, 2001

From Da'Prez

By LARRY SHIMA, WØPAN

Time flies when you're having fun! I hope all of you are having a great spring and are ready to move into a busy summer with antenna improvements, new equipment, and yes, maybe some new countries.

Our Nominating Committee is talking to the OKDXA membership in search of candidates for the annual Officer Election coming up *sooner than you think* at Ham Holiday in OKC in late July. The success of every organization depends on those willing to spend the time and effort needed to make the organization worthwhile. The OKDXA is no exception. When you are contacted by the committee to become a candidate, please accept the challenge. Your participation as an officer can add to the growth and success of the OKDXA.

I am still working on getting the kitchen cabinet members together to start laying the groundwork for our Banquet this fall and Jim, **N5PMP** volunteered to help with setting up the arrangements for a get-together in Bristow. I will be meeting shortly with several members to see if we can put together a program that will be attractive to all and make the venture worth the effort to attend. I don't think we will be able to get Marti, **OH2BH** to be our main attraction, but we just might be able to pull off getting someone of equal stature in the DX community to put on a program for us. Stay tuned……..!

Kudos to Nelson Derks, **AC5UP** for the first installment of *The Elmer Project*. It's an idea Clif Sikes, **N5UW** came up with as a great on-going project for our group to sponsor. Future articles will deal with just about every aspect of DX'ing and Contesting with a slant toward the "how to". We'll also get in to paper chasing and Awards with plenty of operating tips for the HF modes What makes this project different is that we're relying on local OM's just like YOU to share anything you think could be useful, and that covers a lot of territory. We're especially interesting in tips like why you may prefer one piece of gear for a particular operating style. As an example, we've all seen straight, paddle and bug-style CW keys. Is one preferred for rag chewing while another works better for contesting? Or, is it just a case of different strokes for different folks? You tell us. There are lots of newcomers who want to participate in the fun of these activities but are just not sure how to get their feet wet. That's where we come in, and it's a fine way to welcome newcomers into the hobby. A sincere welcome from a well seasoned (but not too salty) old-timer can be just the spark needed to turn a nervous newcomer into a top notch DX'er or Contester. Who knows, you just might sharpen your own skills by helping others, and that's one of the joys of *Elmering!*

That's the latest from the shores of Lake Hefner, so keep your shack safe in these thunderstorm days and watch out for any dangerous lightning situations.

— WØPAN

Secretary / Treasurer Report

By JERRY CHOUINARD, K5YAA

From Da'Editor

By NELSON DERKS, AC5UP

As I'm writing this, the HF rig is parked on 20 Meters and I'm listening to a few slightly soggy mobiles making their way home from the 2001 Dayton HamVention. Apparently Friday began with heavy rain and Saturday threatened to do the same before it cleared off around midday. Sunday arrived with clear skies, but the overall attendance was definitely affected by the weather. I'm sure the memories will improve after the OM's dry out and start rehabilitating their weekend in retrospect, probably on 75 Meter phone. Funny how you remember the guy with the truckload of Collins gear far longer than your own sore feet, but isn't that part of the fun? The aroma of phenolic on the morning breeze may not last, but the memories sure do…

Locally, we had some severe weather south of Tulsa with a few small tornadoes touching down near Henryetta. It must be spring. This must be Oklahoma. The Two Meter Weather Nets were on the ball and doing a dandy job. With a little luck, we won't see too much rough weather until the next big public display of the Amateur Arts on the weekend of June 23-24, and that's Field Day. I hope your club plans to operate from a high-visibility location and scores well. This really is a great hobby, no matter what your interests are.

With that said, I regretfully report this was found on www.eham.net last month:

Date: Wed, 16 May 2001
[Kachina] 505DSP to be discontinued

Hello, All:
Yes, it's true. I am sorry to report that on May 24th, Kachina Communications, Inc. will discontinue production of all HF radio products, including the 505DSP and its related accessories. As you may know, many of the top management of Kachina are Hams, so this has not been an easy decision to make. However, given the reduced worldwide demand for Amateur Radio products in general, and HF radio in particular, it seems the only sensible choice for us to make.

From discussions with some of the top contacts in our industry over the last several years, it has become obvious that most companies manufacturing amateur radio products these days (including the top Japanese brands) do so out of a labor of love, supporting their losses with other more profitable ventures. Unfortunately, we do not have the financial resources of a Kenwood or Yaesu, and simply cannot afford to support an unprofitable product line indefinitely.

Kachina Communications, Inc. will remain in business in Arizona, as we have done for the past 25 years. In the future we will concentrate on our Swift Wireless line of broadband wireless Internet products and services. Swift operates a wireless Internet service in several Arizona communities and provides turnkey services to other ISP's throughout the Southwest. We will continue to provide service and spares for all Kachina HF radio products for the foreseeable future, and will honor all factory warranties through the duration of the warranty period.

The amateur radio products remaining in our inventory will be made available through our web side at clearance prices, so if you are looking for a bargain, check there (http://kachina-az.com) beginning May 25th. I would like to thank all of those who purchased the 505DSP over the last several years. I am sorry that we could not continue to manufacture the 505DSP, but we will do our best to continue to provide service to you in the future. I would also like to thank Sherman Leifer of M&S Computers, who was a big supporter of the 505DSP for a number of years, and

single handedly sold more 505DSP than all the HRO and AES outlets combined. Sherman and I do not always see eye-to-eye on everything, but his efforts and abilities kept the 505DSP alive for a lot longer than it might have otherwise been.

Thanks and best regards,
Cameron Earnshaw Vice President
Kachina Communications, Inc.

I'm still looking for your tips regarding *The Elmer Project* series of articles and I really want this to be a group project we can all be proud of. The e-mail address is ac5up@vei.net. Your advice is welcome and will be credited. You may not believe this, but it's true for me: I've learned more about Amateur Radio through the research and mental calisthenics involved in writing the articles you've seen in the C&E over the past few years than anything else. I hope that some day you'll discover how true that can be for you… — AC5UP

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OPDX Bulletin - Internet Edition

The Ohio/Penn DX PacketCluster
Editor Tedd Mirgliotta, KB8NW
Provided by BARF-80 BBS Cleveland, OH

—

ARE WE HAVING A GREAT YEAR FOR DX'ING?

Joe, **W1JR** thinks so. Joe wrote "Just a note to tell you the DX this year is doing well and possibly ahead of all years. Each year I try to see how many DXCC entities I can work. In a good year I can make about 280-290. Hence, on January 1, 2001 I started anew AGAIN. I guess I never learn! Yesterday (May 3rd) I worked XU7 for DXCC #270, all in just over 4 months. This is the earliest in the year that I have ever worked 270 entities and I figure I have missed about 10 others. I do keep a normal sleep pattern and don't catch them all! The DX is there. You just have to listen and work them!"

CANADIAN LICENSING CHANGES

In a notice from Industry Canada, the Technical Requirements set out in their Radiocommunication Information Circular 2 (RIC-2), "Standards for the Operation of Radio Stations in the Amateur Radio Service", have been amended as follows:

Effective May 19, 2001 this notice grants full operating privileges in all Amateur Radio frequency bands below 30 MHz to amateur radio operators holding the basic and 5 w.p.m. Morse code qualification. Copies of the revised RIC-2 are available from the Industry Canada web site at: http://strategis.gc.ca/SSG/sf01226e.html

3D2/R, ROTUMA

Katsumi, JA1NVF is now active as **3D2NV/R**. His length of stay is unknown but he has been very active on 20, 17, 15, 12, 10 Meters SSB and 10 Meters FM. QSL via home call sign.

4N8, KOSOVO, YUGOSLAVIA

Boyan, LZ1BJ was signing **4N8/LZ1BJ** from Pristina recently. Activity seems to be on 40 through 10 Meters, CW & SSB. QSL via his home call sign.

4W, EAST TIMOR

Thor, **4W6MM** is active again. Check 20 Meters around 14002 kHz after 1200z.

5U, NIGER

Jim, **5U7JK** has been active on 10 Meters and was heard on 28495 kHz around 1630z. QSL Manager is Silvano, I2YSB.

5V, TOGO

YL Elvira, **5V7SE** has been active on 12, 10 and 15 Meters SSB. Check these frequencies after 1600z for activity: 21275, 24965 and 28495 kHz. She has also been on a 40 Meter net with Daniel, 5V7TD on 7045 kHz around 2130z. Daniel is usually active on 20 Meters but has also been heard on 17, 12, & 10 Meters. QSL both via IV3TDM.

6Y, JAMAICA

Listen for **6Y6L** to be active October 23-30th from IOTA NA-097. Operation will be on all bands 160-6 Meters, CW, SSB and PSK-31. QSL via WA8LOW.

9A, CROATIA (Lighthouse Operation)

Franjo, 9A2MF has started operation from the Croatian lighthouse Savudrija. Franjo is a lighthouse keeper who has been in service for the past 20 years and stationed on many Croatian lighthouses. Currently, he is stationed on the SAVUDRIJA, where he will be for the next several years and has installed an antenna. The "Lighthouse Savudrija" is valid for Croatian Light House Award and is CLH-73. Hams interested in the Croatian Light House Award can visit: http://www.qsl.net/9a7k

A2, BOTSWANA

Charles, **A25/KY4P** has been pleasing the CW crowd on 17, 15 & 10 Meters. Listen on 10 and 15 Meters after 1530z about 1 to 2 kHz up from the band edge. Check around 18089 kHz later in the day, and as late as 2100z. QSL via SVØLM.

AP, PAKISTAN

If you need an AP Q on CW, listen for **AP2ARS** on 30 Meters (one QSN reported "NO TAKERS") around 10103 and 10104 kHz as early as 1600, but generally as late as 1900-2100z. Also check 17 Meters around 18074 kHz between 1200-1500z. QSL via S53R.

C9, MOZAMBIQUE

Joe, G3MRC is now active as **C91MR/3** from Beira. You can usually find him on 24901 kHz (or 21052 kHz) between 1600 and 1830z, sometimes as late as 0700z. QSL via home call.

ET, ETHIOPIA

Claudio, **ET3VSC** continues to work many on CW on the 17 and 12 Meter bands. Listen for him on either band after 2200z, and sometimes as early as 1030z. QSL via K3IRV.

FP, ST. PIERRE & MIQUELON ISL's

Wendell, K4JZ has announced what he calls "The Poor Boy DX'pedition". From June 14-18th, Wendell will be operating from FP-land using the call sign **FP/K4JZ**. His operations will be on 40-10 Meters SSB. QSL To K4JZ with SASE. This is a low budget, one-man operation and any donations will be appreciated.

JW, SVALBARD (Update/Rare IOTA)

"DX'pedition Artic 2001" will take place during June 1-9th, from Prins Karls Forland Island (Polpynten Area) which has the rare IOTA EU-063 (Spitsbergen's Coastal Islands). The call sign will be **JWØPK**. They plan to operate all bands and modes. Suggested frequencies are:
SSB - 1840, 3790, 7060, 14195, 18145, 21295, 24950, 28460, 50145, 144250
CW - 1822, 3505, 7005, 10105, 14020, 18080, 21020, 24895, 28020, 50095, 144025
RTTY - 14080, 21080, 28080
PSK31- 14071, 21071, 28071
FM – 29200
JW7SIX Beacon 50.047 MHz / JQ68TB
There will be activity on the satellites RTTY & PSK31 and will try 6 Meters 24 hours a day. They will try the lower bands, but with continuous daylight, low band QSO's may be difficult. They are looking for sponsors or support. If you want to help, mail to: DXPEDITION ORG., P.O. Box 584, 9171 Longyearbyen, Svalbard Islands, (Norway). The QSL Manager is

SP5DRH. QSL via the bureau is OK. If you prefer a direct QSL from SP5DRH, send it to: Mr. Jacek Kubiak, P.O.Box 4, 00-957 Warszawa - Poland. For more info, E-mail: dxpedition2000@dxpedition.org Web page is: http://www.dxpedition.org/

KH1, BAKER AND HOWLAND ISL's
Raymundo, **YS1RR** announces the same team that was active from Conway Reef 2001 is planning a DX'pedition to Baker and Howland Islands at the end of this year. They expect it to take place during September or October of 2001 with an alternative schedule in February or March of 2002. The leader of DX'pedition will be Hrane, YT1AD. More details to come.

KH2, GUAM
A group from the JA2 area will be active between June 9-12th on 160-6 Meters. The call signs and QSL information are as follows:

K1HP/KH2	(Yoshi)	via JE2EHP
KH2/JH2QFY	(Aki)	via JH2QFY
N3WW/KH2	(Ban)	via JF2WXS
KH2/JJ2CYO	(Yasu)	via JJ2CYO
KH2/JH2CYU	(Michy)	via JH2CYU
KH2/JS2ITP	(Yasu)	via JS2ITP

OJØ, MARKET REEF
Operators Arne, LA3IKA; Bjorn, LA5UKA; Paul, LA6YEA and Trond, LA9VDA will be active from the Market Reef Lighthouse (LH 0542 - WLH Award) August 5th through 8th as **OJØ/LA3IKA, OJØ/LA5UKA, OJØ/LA6YEA** and **OJØ/LA9VDA.** Lars, OHØRJ has been invited to join them. They plan to be active on 160-2 Meters SSB, CW & RTTY. LA5UKA (ex-LC3NAT) will be active in the 2m NAC contest. QSL to homecalls except for LA6YEA (QSL via LA9VDA). More info at: http://www.qsl.net/la9vda

OY, FAROE ISLAND
Max, ON5UR and Wim, ON4CJI of the United Radio team will operate from Faroe Island (Stremoy Island - EU-018) with the call sign **OY9UR** from May 28th through June 7th. They will be operating on 160, 80, 40, 20, 15, 10 and 6 Meters. Wim is expected to be on PSK31. Also, listen for them on May 26-27th and June 8-9th as a /MM. They will be active during the 6 Meter contest June 2-3rd. There will be a special full color QSL card for both call signs. QSL direct via OY9UR: United Radio, P.O.Box 33, Zichem 3271, Belgium. Remember: The QSO is short, the QSL is forever.

PJ2, CURACAO
Nine members of the Bristol Contest Group will be active from here July 19-31st. Operators **G6YB, G3RFX, G3TKF, G3XSV, G4FKA, G4HFX, GØWKW, MØAXF** and **MØWLF** will offer plenty of activity as PJ2/homecall on all bands CW & SSB. They will also be active during the IOTA Contest on July 28-29th using the call **PJ2Y**. A special QSL for PJ2Y will be issued with G3SWH as QSL manager. QSL all others to the home call.

R1, FRANZ JOSEF LAND
R1FJL has been active on 12 Meters lately. Check 24910 kHz around 1200z and after 0800z. QSL via UA3AGS.

S2, BANGLADESH
Rashid, **S21AR** is active almost daily on 15 Meters. Check around or between 21260 and 21290 kHz from 1100 to 1530z or after 0430z. QSL via JA1UT.

TT, CHAD
Chris, **TT8DX** has been very active on 10 Meters recently. Check 28495 kHz starting around 1330z and as late as 1800z. QSL via F5OGL.

VO2, LABRADOR, CANADA (Update)
Fred, **K2FRD** want to make one last plug for his Labrador DX'pedition before he leaves for the North Country on June 1st. He expects to commence operations about June 6th and will operate daily until he QRT's on August 31st. This will give the worldwide Hams an opportunity to contact CQ Zone 2 and ITU Zone 9 (which are usually not active or listed every week). In brief, Fred will be operating mostly SSB (with occasional CW) on 10, 12, 15, 17, 20, and 40 Meters and CW on 30 meters per the schedule on his Web site. Normally, listen for him near the MUF, which could be 17 or 20 Meters. For more frequency, band, and schedule details: http://sites.netscape.net/thefred3/labr1

VP5, TURKS & CAICOS ISLANDS
Dick, W3RM and Mike, N3MT will be active from the Providenciales Island (NA-002) from May 31st through June 14th as **VP5/W3RM** and **VP5/N3MT**. Operation will be on 80-10 Meters (mainly CW) with some SSB. QSL via home calls.

VU4, ANDAMAN & NICOBAR ISL's
Nat, VU2NTA reports that no foreign Amateur Radio operators are allowed to operate from VU4. He says that at times the sheer number of foreigners attempting to put VU4 on the air forces the authorities say NO. There is hope, however. Nat states that after two years of working with the government and asking for suggestions for amendments to the Amateur Radio rules in India, they have almost succeeded. So, maybe something will come through. But, he requests that no one press for VU4 as even citizens of India are not allowed to carry radios right now. Nat says, "I hope you understand the problems we face."

XU, CAMBODIA
A station signing **XU7ABC** has been active on 20, 17, 15, 12, 10 Meters CW. Check around 18072 kHz, 24903 kHz and 11 kHz from band edge. QSL via G3XAQ. Meanwhile, **XU7ABN** has been playing RTTY on 20 and 15 Meters between 1330 and 1400z, also after 1800z.

ZL7, CHATHAM ISLAND
Ed, K8VIR is currently active as **ZL7IR**. His length of stay is unknown but his activity centers on 20, 17 & 12 Meters. He reportedly is working on the island and will be active during his free time. Operations seem to start around 0100z and sometimes last as late as 0700z. There have been a few QSN's as early as 1030z on 20 Meters. Check the following frequencies: 14260, 14270, 18130 and 24950 kHz. QSL via W8WC.

IOTA News

EN, UKRAINE (Island Operations)
Operators UX7MA, US5MPO, URØML and others will be active as **EN1MKN** from islands in the river "Severskyi Donets" (the Ukrainian Island Award references numbers are: SD-06 and SD-07). Their activity will be on all HF bands CW/SSB, from June 13-30th. QSL via UX7MA, by the bureau or direct to: P.O.Box 22, Stakhanov 94000 Ukraine.

EU-038 Joel, F5PAC, will be active from Texel Island as **PA/F5PAC** for the IOTA Contest at the end of July.

EU-110 Operators **DF9MV, DL1GEO, DL9CHR** and **DEØMST** will be active from the lighthouse on Porer Island (south of Pula) on August 12-17. Other reference numbers are: CI-090 and WLHA 0240. QSL via the bureau (DARC) to DEØMST or direct to: Fredy Stippschild, P.O.Box 1406, D-83657, Germany

NA-041 NODXA member Byron, KF8UN will sign **KF8UN/KL7** (time permitting) from Sitka City Island, Alaska. The dates

are July 7 through 10th and he will start at 0700z. Listen on 40 and 20 Meters. QSL via CBA.

JD/M, MINAMI TORISHIMA
Katsumi, **JD1BCK** seems to really like 15 Meters. Listen for him between 21270 and 21290 kHz after 2300z. QSL via JM1TUK.

JD/O, OGASAWARA
You, **JD1BIA** was heard on 15 Meters around 21280 and 21290 kHz after 0000z and as late as 0830z. QSL via JD1BIA.

EXTREME IOTA DX'ING
Bert, **PA3GIO** updated his DX'pedition plans for 2001, and they are impressive:

• Bert, PA3GIO will be signing **5R8GY** from Madagascar's Ile Sainte-Marie (Nosy Boraha) IOTA AF-090 (Rare), from May 30th or 31st through June 9th. He will be active SSB only on 80, 40, 20, 17, 15, 12, and 10 Meters at 100w using an open-wire fed doublet. QSL (prefered by the Buro) to PA3GIO. http://www.pa3gio.nl/5R/

• Bert will be signing as **FH/PA3GIO/p** from Grande Terre, Mayotte Island (AF-027) from June 11-18th. He will be active SSB only on 80, 40, 20, 17, 15, 12, and 10 Meters at 100w using an open-wire fed doublet. QSL (preferable by the Buro) to PA3GIO. http://www.pa3gio.nl/FH/

• Bert will be signing as **FR/PA3GIO/p** from Reunion Island (AF-016), June 19-22nd (limited activity) SSB only on 80, 40, 20, 17, 15, 12, and 10 Meters at 100w using an open-wire fed doublet. QSL (preferable by the Bureau) to PA3GIO. Website: http://www.pa3gio.nl/FR/

• Bert, PA3GIO will be active as **VK9XV** from Christmas Island (OC-002) from September 6-13th. He will be active SSB only on 80, 40, 20, 17, 15, 12, and 10 Meters at 100w using an open-wire fed doublet. QSL (preferable by the Bureau) to PA3GIO. http://www.pa3gio.nl/VK9XV/

• Bert, PA3GIO will be active as **VK9CQ** from Cocos-Keeling Island (OC-003) September 14-20th. He will be active SSB only on 80, 40, 20, 17, 15, 12, and 10 Meters at 100w using an open-wire fed doublet. QSL (preferable by the Bureau) to PA3GIO. http://www.pa3gio.nl/VK9CQ/

• Bert, PA3GIO will be signing **VK6GIO** from Australia, September 22nd through October 8th (On route and VERY LIMITED ACTIVITY). He mentions that perhaps he may have a short visit to Kangaroo Island (OC-139) as **VK6GIO/5**.

• Bert, PA3GIO will be signing **VK9LO** on Lord Howe Island (OC-004) from October 9-15th. He will be active SSB only on 80, 40, 20, 17, 15, 12, and 10 Meters at 100w using an open-wire fed doublet. QSL (preferable by the Bureau) to PA3GIO. http://www.pa3gio.nl/VK9LO/

IOTA CONTEST 2001
Ric, **DL2VFR** reports you can find the summary of the IOTA Contest 2001 on the Web at: http://www.iota-post.com/ Last year he had 123 announcements useful for DX'ers and Contesters looking for a new one, and the list grows daily.

Miscellaneous News

Bob Schenck, **N2OO/9M6OO/V85OO** announces the formation of "The QSL Manager's Society". This will be a web based "organization" acting as a point of contact for quality QSL managers, and for DX'peditions or DX stations looking for one. It will also provide a central source of information useful to any QSL manager. Visit: http://www.qsl.net/qslmanagers

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Bob Schenck, **N2OO/9M6OO/V85OO** sadly reports the passing of H.G. Hassan, **V85HG** (aka **V8HG**). Hassan was always a strong and steady voice for Ham Radio in Brunei. He will be sorely missed. Bob mentions that a nice photo of Hassan can be seen at the Buckmaster callsign server: http://buck.com/cgi-bin/do_hamcallexe (enter V85HG)

CONTESTERS / DX'ERS HONORED
Bob, **K3EST** from the CQ Hall of Fame, reported last week that the CQ Contest Hall of Fame Committee is pleased to announce the two inductees for 2001 will be Sig, **N3RS** and Algis, **LY2NK**. Both new members were officially inducted into the Contest Hall of Fame at the contest dinner on Saturday, May 19th in Dayton. The DX Hall of Fame is also proud to announce the two inductees into the DX Hall of Fame for 2001 were Bob, **K4UEE** and Bob, **W4DR**. Both were officially inducted into the DX Hall of Fame by Steve, N8BJQ during the DX dinner May 18th, also in Dayton. You can read their biographies in the June CQ and May / June CQ Contest.

JW PHOTOS
Rag, **JW5HE** says photos from Svalbard are at: http://no.photos.yahoo.com/la5he

NORTH COOK DX'PEDITION
Kia Orana to all Hams from **ZK1CG**, Victor Rivera As you may have heard we are making a DX trip to the North Cooks in October for the CQWW SSB contest with five operators from the Western Washington DX Club. We will be in Manihiki North Cooks for two weeks from October 18th. We need help with this operation and would like to know if anyone is planning a vacation or trip to the Cook Islands before October. We just received the antennas we will use in the North and South Cooks for this operation at great expense via air freight to insure we can ship to the North Cooks before October. Now we need to get some ham radio gear down to Rarotonga so we can ship to Manihiki before October. So, if any of you serious (or not so serious) Hams are coming to the Cooks for a vacation or DX'ing please contact me. I'm sure we will make your stay in the Cook Islands a pleasant and enjoyable experience, plus you will be helping many make a new contact from North and South Cooks.

If you would like more information about this operation and what bands and modes we will be operating on please contact me.

Regards and 73 de ZK1CG
Victor Rivera - PO Box 618
Rarotonga, Cook Islands
Ph (682) 23412 Fax (682) 23411
E-Mail sales@computers.co.ck

EAST TIMOR VIDEO
Dennis, K7BV and Dick, N6FF have announced a 32 minute video titled **4W/K7BV 4W/N6FF Timor Lorosae DX'pedition - "Memories Beyond the Pileups"** is now available in VHS format (standard NTSC) or on a CD for 15 USD + 5 USD handling (USA via Priority Mail). If interested, contact K7BV and your inquiry will be forwarded. E-mail to: k7bv@aol.com or snail mail to: Dennis Motschenbacher, K7BV, 4357 Appollonio Way, Washoe Valley, NV 89704.

SPECIAL EVENT
The Old Barney A.R.C. announces their Special Event op for the "International Lighthouse Activity Weekend". **W2T** will be operating from the "Tucker's Island Lighthouse" in the "Tuckerton Seaport", Tuckerton, New Jersey, 1300z, August

18th, through 2300z, August 19th. Suggested frequencies are: 7280, 14280, 21380 and 28480 kHz (146.835/rpt). QSL via N2OO, PO Box 345, Tuckerton, NJ 08087 USA. Send a 9"x12" SASE with 55 cents postage for QSL and Certificate or SASE/SAE+IRC for just the QSL.

DL LIGHTHOUSE AWARD
The "German Lighthouse Award" has been approved as an official DARC Club Award. You can find it detailed on the Web at: http://www.lighthouse-award.de/ (Deutsches Leuchtturm Diplom). Rules are available in German, English and Danish (TNX OZ2ZB). The award consists of 57 land-based lighthouses in Germany.

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ARRL CONTEST CALENDAR

Reprinted with permission from QST Contest Calendar — K5TR, Editor

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WEEKEND OF JUNE 9-11

ARRL June VHF QSO Party
See May *QST* page 114, summary follows:
Object: To work as many amateur stations in as many different 2° × 1° grid squares as possible using authorized frequencies above 50 MHz. Foreign stations work W/VE amateurs only.
Date and Contest Period: The second full weekend in June. Begins 1800 UTC Saturday, ends 0300 UTC Monday (June 9-11, 2001).
Entry Categories: Single Operator, Low Power, High Power, Single Operator Portable (See "General Rules for ARRL Contests above 50 MHz" page 96 in November 2000 *QST* for changes in this category), Rover, Multioperator, Limited Multioperator.
Exchange: Grid-square locator. Exchange of a signal report is optional.
Scoring: Count one point for each complete 50 or 144 MHz QSO. Two points for each 222 or 432 MHz QSO. Three points for each 902 or 1296 MHz QSO. Four points for each 2.3 GHz (or higher) QSO.
Multiplier: The total number of different grid squares worked per band. Each 2° × 1° grid square counts as one multiplier on each band it is worked.
Final Score: Multiply the total number of QSO points from all bands operated by the total number of multipliers for final score.
Rovers Only: The final score consists of the total number of QSO points from all bands times the sum of unique multipliers (grid squares) worked per band (regardless of which grid square they were made in) plus one additional multiplier for every grid square from which they successfully completed a contact. Rovers are listed in the contest score listings under the Division from which the most QSO's were made.

TOEC WW Grid Contest
Sponsored by the Top of Europe Contesters. SSB 1200Z June 9, 1998 to 1200Z June 10. CW 1200Z August 26, 1998 to 1200Z August 27. Work any station once per band, 160 80 40 20 15 10 Meters. Mobiles may be worked again if in another grid field (EM, FN, etc). Exchange signal report + grid field. Classes: Single operator (no packet); All band; Single band; Low power (100 W, all band only); Multioperator, all-band only; Single transmitter (10-minute band change rule applies); Multitransmitter; Mobile Single operator (All band only--may contact stations once per grid field operated from and must show grid fields operated from in log. /M and /MM stations permitted). Scoring: Fixed-station QSO's with other continents = 3 points; QSO's with your continent (and country) = 1 point. All mobile QSO's (and contacts with mobiles) = 3 points. Multipliers: Each grid field worked per band. Multiply QSO points x grid fields for total score. Send entries with a signed summary sheet to TOEC, Box 178, SE-83122 Ostersund, Sweden. All submissions must be e-mailed or postmarked within 30 days of the contest. TOEC.contest@pobox.com; www.qsl.net/toec/.

Digital Contest
Sponsored by the Australian National Amateur Radio Teleprinter Society. All digital modes, 0000Z June 9 to 2359Z June 10 (48 hours), 80 40 20 15 10 Meters. Single Op one transmitter, Multioperator one transmitter and SWL. Single op and SWL may only operate 30 hours. Exchange RST, CQ zone and time (UTC), Multipliers are each ARRL DXCC entity. Each call district of VK (1-8), JA < VE, and W count as separate countries on each band. Each continent counts only *once* as an additional multiplier. Contacts with one's own country or call area counts for QSO points but not for multiplier credit. Final score is total QSO points x total multipliers x number of continents worked. Awards. Send logs by Sept 1 to Contest Manager, VK2BQS, Jim Swan, PO Box 93, Toongabbie, NSW 2146, Australia; ctdavies@one.net.au.

WEEKEND OF JUNE 16-17

Kid's Day Operating Event
Sponsored by the Boring (Oregon) ARC, from 1800-2400Z Jun 16. **Purpose:** Kid's Day is intended to encourage young people (licensed or not) to enjoy Amateur Radio. It can give young people hands-on on-the-air experience so they might develop an interest in pursuing a license in the future. It is intended to give hams a chance to share their station with their children. **Dates:** June 16, 2001. **Time:** 1800 to 2400Z. No limit on operating time. **Suggested Exchange:** Name, age, location and favorite color. You are encouraged to work the same station again if an operator has changed. Call "CQ Kid's Day." **Suggested Frequencies:** 28350 to 28400 kHz, 21380 to 21400, 14270 to 14300 kHz & 2 Meter repeater frequencies with permission from your area repeater sponsor. Observe all third party traffic restrictions when making DX QSO's and avoid giving your favorite color as 'Plaid'.

SMIRK QSO Party
Sponsored by the Six Meter International Radio Klub, from 0000 UTC Jun 16 until 2400 UTC Jun 17. 6 Meters only. All phone contacts within the lower 48 states and Canada must be made above 50.150 MHz; only DX QSO's may be made between 50.100 and 50.150. Exchange SMIRK number and grid square. Score 2 pts/QSO w/SMIRK member and 1 pt/QSO w/nonmember. Awards. Send entries by August 1 to Pat Rose, W5OZI, PO Box 393, Junction, TX 76849.

All-Asian DX Contest, CW
Sponsored by the Japan Amateur Radio League, from 0000Z Jun 16 until 2400Z Jun 17 (phone contest will be Sep 1-2). 160 80 40 20 15 10 Meters. Single op; single/multiband; multiop multiband. Work Asian stations only. No crossband QSO's. Single ops may have only one transmitted signal at any time. Multiops may have a maximum of one signal per band. Send RS(T) and a two-digit number denoting the operator's age. Operators not wishing to disclose age may send 00. Score 1 pt/QSO w/Asian stations on 7 through 28 MHz, 2 pts on 3.5 MHz and 3 pts on 1.8 MHz. Final score is QSO pts x different Asian prefixes (WPX rules) worked per band. Awards. Mail logs to arrive by Sep 30 (Nov 30 for phone) to

JARL, All Asian DX Contest, 170-8073, Japan. E-mail CW logs to: aacw@jarl.or.jp and phone logs to: aaph@jarl.or.jp. Visit www.jarl.or.jp/English/4_Library/A-4-3_Contests/AADX.htm for more.

WEEKEND OF JUNE 23-24

Field Day. See May *QST* page 112.
Eligibility: Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations. DX stations may be contacted for credit, but are not eligible to compete.
Object: To work as many stations as possible on any and all amateur bands (excluding the 30, 17 and 12 Meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.
Date and Time Period: Field Day is always the fourth full weekend of June, beginning at 1800 UTC Saturday and ending at 2100 UTC Sunday. Field Day 2001 will be held June 23-24, 2001.

JUNE / JULY CONTEST SUMMARY

(Courtesy Of Bruce Horn, WA7BNM)

JUNE, 2001

Major Six Club Contest	2300Z, Jun 1	-	0300Z, Jun 4
WW South America CW Contest	0000Z, Jun 2	-	1600Z, Jun 3
IARU Region 1 Field Day, CW	1500Z, Jun 2	-	1500Z, Jun 3
ANARTS WW RTTY Contest	0000Z, Jun 9	-	2400Z, Jun 10
Portugal Day Contest	0000Z	-	2400Z, Jun 9
Asia-Pacific Sprint, SSB	1100Z	-	1300Z, Jun 9
TOEC WW Grid Contest, SSB	1200Z, Jun 9	-	1200Z, Jun 10
ARRL June VHF QSO Party	1800Z, Jun 9	-	0300Z, Jun 11
All Asian DX Contest, CW	0000Z, Jun 16	-	2400Z, Jun 17
SMIRK QSO Party	0000Z, Jun 16	-	2400Z, Jun 17
Marconi Memorial HF Contest	1400Z, Jun 23	-	1400Z, Jun 24
ARRL Field Day	1800Z, Jun 23	-	2100Z, Jun 24
ARCI Milliwatt Field Day	1800Z, Jun 23	-	2100Z, Jun 24

JULY, 2001

RAC Canada Day Contest	0000Z	-	2359Z, Jul 1
MI QRP July 4th CW Sprint	2300Z, Jul 4	-	0300Z, Jul 5
Venezuelan Ind. Day Contest, SSB	0000Z, Jul 7	-	2400Z, Jul 8
IARU HF World Championship	1200Z, Jul 14	-	1200Z, Jul 15
FISTS Summer Sprint	1700Z	-	2100Z, Jul 14
CQ Worldwide VHF Contest	1800Z, Jul 14	-	2100Z, Jul 15
Colombian Ind. Day Contest	0000Z	-	2400Z, Jul 15
QRP ARCI Summer Homebrew Sprint	2000Z	-	2400Z, Jul 15
Pacific 160m Contest	0700Z	-	2330Z, Jul 21
AGCW QRP Summer Contest	1500Z, Jul 21	-	1500Z, Jul 22
North American QSO Party, RTTY	1800Z, Jul 21	-	0600Z, Jul 22
Georgia QSO Party	1800Z, Jul 21	-	0400Z, Jul 22 and 1400Z - 2400Z, Jul 22
Six Club Sprint	2300Z, Jul 21	-	0400Z, Jul 22
Venezuelan Ind. Day Contest, CW	0000Z, Jul 28	-	2400Z, Jul 29
Russian RTTY WW Contest	0000Z, Jul 28	-	2400Z, Jul 29
IOTA Contest	1200Z, Jul 28	-	1200Z, Jul 29

Doctor DX:

The following was found on an Australian web page by Chris Dubrow and does not necessarily represent the opinion of any OKDXA Member nor is represented to be factual or accurate in any way. But, Doctor DX thinks its *damn* interesting reading...

ENERGY SUPPRESSION

Time magazine (Aust) 17 July 1995 (p.46) rounded up the future technologies that are going to severely change the world as we know it. They correctly point out that a change in the usage of energy would have a massive impact, but then promise "The first company to design an affordable car that doesn't foul the atmosphere will race past it's competitors." Not only are they totally wrong, but they're probably lying. The simple fact is the technology has been with us for most of this past century, it's just that it wouldn't be economically rational (for the oil companies) to allow the public to utilise it.

My story began late one night driving home listening to talk back radio, when somebody piped up that they'd been working on a solar-powered car out at the local airport, and it was ready to go and as cheap and as safe as an average family car - except that you would only need about five dollars worth of fuel per year to get it started. The startled D.J. then asked when were we likely to see it in the market place, and the engineer coolly replied "probably never, I'd say the oil companies will buy us out in a flash." I nearly crashed my car- what on earth was going on here? The next day I rang the airport to find out who was doing the testing only to find out from an assertive voice, "there are no automobiles being tested here and there never has been." Fine, the dead end proved to be the spark of determination to send me on my investigative way.

The next encounter was about a year later involving a friend who knew a guy who invented a lawn mower that ran on water. Skeptical but excited, I said I wanted to meet the man and she came back a few days later quite upset to find he'd recently opened his front door to a shot gun blast in the face, the dead inventor had been solidly drinking for the past six months since he came home with a million or so dollars and word to the family that he didn't want to discuss his engines again. O.K. - that one seemed weird, maybe he was some dodgy businessman or something. I still needed more.

More came in the form of an article in the Melbourne Age (13/7/93 p.5) introducing the "ozone safe induction" system, a little black box that was added to your engine that cut fuel usage by up to two-thirds with a corresponding reduction in pollution.
Oz Smart Technologies was the name of the firm, and Mike Holland the inventor that I talked to about his supposed breakthrough. "Yeah, the U.S. military just flew out some Generals and stuff and they want to buy it, and Nissan just offered me five million dollars but I want to develop it in Australia." Yeah but, does it work? Apparently it did, the E.P.A. told him off the record it was the best design of it's kind they'd ever seen, along with a bunch of techies from Swinburne University who'd done all the testing, but the media continued to consider the device a bit of a hoax and the company simply does not exist anymore - yep they just disappeared (again).

My research today tells me that Mike Holland's invention was probably of the "Improved fuel efficiency" variety. Simply burning fuel in a more efficient manner is nothing terribly difficult. Other well-

known developments are of the "car running on water" kind, usually involving electrical current to extract and then burn the hydrogen. Some of the more interesting involve the use of magnets, sometimes tuned to exact frequencies that take energy from the ambient atmosphere.

Since meeting Mike Holland I have managed to collect quite a list of energy inventions that have somehow avoided being utilised in the market place. You may not believe they all work, but it would be very difficult to claim that all of them are fabrications, still the evidence is here - you decide yourself.

HYDROGEN POWER

Yull Brown - from Sydney, Australia developed a method of extracting hydrogen from water in 1978 and utilising it as a car fuel and fuel for welders. After much publicity (see The Bulletin (Aust) Aug 22, 1989) he had managed to raise over 2 million dollars but has failed to fully develop his invention.

Francisco Pacheco - an inventor from Bolivia created the "Pacheco Bi-Polar Autoelectric Hydrogen Generator" (US PAT #5,089,107) that separates hydrogen from seawater. He has built successful prototypes that have fueled a car, a motorcycle, a lawn mower, a torch, a boat, and most recently in 1990 he energised an entire home in West Milford. After many conferences (including U.N.) and public exhibitions proving the inventions worth, the wider community is still unable to utilise this technology.

Edward Estevel - from Spain developed a classic 'water to auto engine' system in the late 1960's extracting the hydrogen out of water to use as fuel. This system was highly heralded, then sank among other such 'high hope' hydrogen systems amid rumours of foul play.

Sam Leach - of Los Angeles developed a revolutionary hydrogen extraction process during the mid seventies. The unit easily extracted free hydrogen from water and was small enough to fit under the hood of automobiles. In 1976 two independent labs in LA tested this generator with perfect results. Mr M.J. Mirkin who began the Budget car rental system purchased the rights to the device from the inventor who was said to be very concerned about his personal security.

Rodger Billings - of Provo, Utah headed a group of inventors that developed a system converting ordinary cars to run on Hydrogen. Instead of using heavy hydrogen tanks, he used metal alloys called Hydrides, to store vast amounts of hydrogen. When hot exhaust gases passed through these Hydride containers it released the gas to burn in the standard engines. Billings estimated the conversion would cost around $500 (US) and greatly improve fuel consumption.

Archie Blue - an inventor from Christchurch, New Zealand developed a car that runs purely on water by the extraction of hydrogen. An alleged offer of 500 million dollars from "Arab interests" was not enough to convince him to sell but never-the-less he has been unable to take his engine to the market place.

ELECTRIC ENGINES

Wayne Henthron - from Los Angeles built an "Electromatic Auto" in 1976 that managed to regenerate its own electricity. In normal stop and go driving it gave several hundred miles of service between recharges. The system worked by the wiring of the batteries to act as capacitors once the car was moving along with four standard auto alternators acting to keep the batteries charged. With little official interest in his system, the inventor resolved to make the car available to the public and is now involved with the World Federation of Science and Engineering - 15532 Computer Lane, Huntington Beach, CA, 92649.

Joseph R. Zubris - developed in 1969 an electric car circuit design (US PAT #3,809,978) that he estimated cost him $100 a year to operate. Using an old ten horse electric truck motor, he worked out a unique system to get peak performance from his old 1961 Mercury engine that he ran from this power plant. The device actually cut energy drain on electric car starting by 75%, and by weakening excitation after getting started, produced a 100% mileage gain over conventional electric motors. The inventor was shocked to find the lack of reaction from larger business interests, and so in the early seventies began selling licenses to interested smaller concerns for $500. Last known address was Zubris Electrical Company, 1320 Dorchester Ave, Boston, Ma, 02122.

Richard Diggs - developed at an inventors workshop (I.W. international) his "Liquid Electricity Engine" that he believed could power a large truck for 25,000 miles from a single portable unit of his electrical fuel. Liquid electricity violated a number of the well known physical laws that the inventor pointed out. The inventor was also aware of the profound impact the invention could have upon the world's economy - if it could be developed.

B. Von Platen - a 65 year old Swedish inventor made a major breakthrough in the field of Thermo-electric engines with his "Hot and Cold Engine" - based on the fact that wires of different metals produce electricity if they are joined and heated, the inventors secret breakthrough is said to give more than 30% more efficiency than regular motors, and with a radioactive isotope for power (hmmm?!) it could be completely free from fossil fuels. Volvo of Sweden bought the rights to this in 1975.

STEAM ENGINES

Oliver Yunick - developed a super efficient steam engine in 1970 (Popular Science, December, 1970) able to compete admirably with combustion engines.

DuPont Laboratories - built one of the most advanced steam engines in late 1971 using a recyclable fluid of the freon family. It is assumed to contain no need for an external condensor, valves, or tubes. (Pop.Sci.Jan1972)

William Bolon - from Rialto, California, developed an unusual steam engine design in 1971 that was said to get up to 50 miles to the gallon. The engine used only 17 moving parts and weighed less than 50 pounds and eliminated the usual transmission and drive train in an automatic. After much publicity, the inventors factory was fire bombed with damages totaling $600,000. Letters to the Whitehouse were ignored so the inventor finally gave up and let Indonesian interests have the design.

AIR POWER

Roy J. Meyers - from LA built an air powered car in 1931. (air has been used for years to power localised underground mine engines) Meyers, an engineer, built a 114lb, 6 cylinder radial air engine that produced over 180 HP. Newspaper articles at the time reported that the vehicle could cruise several hundred miles at low speeds.

Vittorio Sorgato - of Milan, Italy also created a very impressive air powered vehicle in the 70's using compressed air stored as a liquid. After a great deal of initial interest from Italian sources his invention is now all but forgotten.

Robert Alexander - from Montebello, Ca. spent 45 days and around $500 to put together a car (US PAT #3913004) based on a small 7/8ths HP 12 volt motor that provided the initial power. Once going, a hydraulic and air system took over and recharged the small electric energy drain. The inventor and his partner were determined that the auto industry would not bury their "super power" system. To no avail.

Joseph P Troyan - designed an air powered flywheel that could propel an automobile for 2c a mile. Using a principle of "ratio amplification of motion" in a closed system, the Troyan motor (US PAT # 040011) was easily attached to electric generators for pollution-free variable power systems.

David McClintock - created his free energy device known as the "McClintock Air Motor" (US PAT #2,982,26100) which is a cross between a diesel engine with three cylinders with a compression ratio of 27 to 1, and a rotary engine with solar and plenary gears. It burns no fuel, but becomes self-running by driving it's own air compressor.

MAGNETIC ENERGY

John W. Keeley - developed a car in the 1920's using principles similar to Nikola Tesla drawing harmonic magnetic energies from the planet itself. The electric car ran from high frequency electricity that was received when he simply broadcast the re-radiated atmospheric energy from a unit on his house roof. GM and the other Detroit oil "powers" offered the inventor 35 million dollars which was turned down when they would not guarantee to market the engine. Henry Ford - later bought and successfully shelved the invention.

Harold Adams - of Lake Isabella, California, worked out a motor thought to be similar to Keeley's. It was demonstrated for many persons, including Naval scientists around the late 1940's before it too "disappeared" from our history.

Dr Keith E. Kenyon - of Van Nuys, California discovered a discrepancy in long accepted laws relating to electric motor magnets, and so built a radically different motor that could theoretically run a car on a very small amount of electrical current. When demonstrated to physicists and engineers in 1976, those present admitted that it worked remarkably well. But, because it was beyond the 'accepted' laws of physics, they chose to ignore it.

Bob Teal - of Madison, Florida was a retired electronics engineer when he invented his Magna-Pulsion Engine that ran by means of six tiny electromagnets and a secret timing device. Requiring no fuel, the engine emitted no gases. It was so simple in design it required very little maintenance and a small motorcycle battery was enough power to get it started. The engine has been met with little else but skepticism.

Lester J. Hendershot - built his Hendershot Generator in the late 1920's largely through trial and error. He wove together a number of flat coils of wire and placed stainless steel rings, sticks of carbon and permanent magnets in various positions as an experiment. To his surprise it actually produced current. The generator raised considerable attention at the time.

Howard Johnson - developed a motor that generated power purely by magnetism. It took six years of legal hassles to patent his design (US PAT #4,151,431) - more information is available from the "Permanent Magnet Research Institute" P.O. Box 199, Blacksburg, Virginia 24063. He is currently offering licensing rights.

Edwin V. Gray - developed in the early seventies an engine that uses no fuel and produces no waste, The engine that runs itself is U.S. Pat #3,890,548.

PETROLEUM ADDITIVES

Guido Franch - from Michigan U.S.A. began demonstrating in the mid seventies his "water-to-gas miracle", a fuel he created by adding to water a small quantity of "conversion powder" which was easily processed from coal. He claimed it could be processed for a few cents per gallon if mass produced. The fuel was tested by Chemists at Havoline Chemical of Michigan and the local University, and both concluded it worked more efficiently than gasoline. Franch continued to put on demonstrations for years but said the auto manufacturers, Government, and private companies just weren't interested in his revolutionary fuel.

Dr Alfred R. Globus - working for United International Research developed a Hydro-fuel mixture around the mid-seventies. The fuel was a mixture of 45% gasoline, 50% or more of water, and small percentages of United's "Hydrelate" which acted as a bonding agent. It was estimated that a hundred million gallons of fuel could be saved per day if this fuel were utilised but alas nobody seemed interested.

John Andrews - a Portuguese chemist who in 1974 developed a fuel additive that enabled ordinary gasoline to be mixed with water reducing fuel costs down to 2c a gallon. After successfully demonstrating the substance, impressed Navy officials when going to negotiate for the formula found the inventor missing and his lab ransacked.

Water and Alcohol Motor - Jean Chambrin, an engineer in Paris ran his private cars on a mixture of denatured alcohol and water. The inventor and mechanical engineer claimed his motor design could be mass produced at a fraction of the cost of present engines. He received nothing but publicity that led him to take great precautions in regard to his personal security.

Mavrin D. Martin - from the University of Arizona developed in 1977 a "fuel reformer" catalytic reactor that was estimated to double mileage. The device was designed to cut exhaust emissions by mixing water with Hydro-carbon fuels to produce an efficient Hydrogen, Methane, Carbon-Monoxide fuel.

IMPROVING FUEL EFFICIENCY

Edward La Force - from Vermont U.S.A. designed with his brother Robert, a highly efficient engine that burnt all the usually wasted heavier gasoline molecules. The 'Los Angeles Examiner' (Dec. 29, 1974) reported that the cams, timing and so on were altered on stock Detroit engines. These modifications not only eliminated most of the pollution from the motor but by completely burning all the fuel, the mileage was usually doubled. After much publicity the US EPA examined the cars and found the motor designs were not good enough. Few people believed the EPA including a number of Senators who brought up the matter in a Congressional

hearing in March 1975. The result was still silence.

Eric Cottell - was one of the pioneers of ultrasonic fuel systems. This involved using sonic transducers to 'vibrate' existing fuels down to much smaller particles, making it burn up to 20% more efficiently. Cottell then went on to discover that super fine S-ionised water could be mixed perfectly with up to 70% oil or gas in these systems, this was followed by much publicity (e.g. Newsweek, June 17, 1974) and then, once again - silence.

L. Mills. Beam - had his super-mileage carburetor bought out in the 1920's. In the late 60's he worked out a catalytic vegetable compound that produced the same super mileage results. In principle it was nothing more than a method of using the hot exhaust gases of an engine to vapourise the liquid gas being burned. By rearranging the molecules of gas and diesel, he was able to triple mileage rates, while obtaining better combustion, mileage and emission control. He was refused and rejected by U.S. State and Federal Air Pollution and Environmental Pollution agencies and was finally forced to sell his formula abroad in the mid-seventies just to survive.

John W. Gulley - of Gratz Kentucky managed 115 mpg from his 8 cylinder Buick using a similar vapourising method as that employed by L.M. Beam. "Detroit interests" bought and suppressed the device in 1950.

SHELL research of London - produced a 'Vapipe' unit in the early seventies that also vapourised the petroleum at around 40 degrees centigrade and used a sophisticated pressure loss reduction system, but alas was not marketed because it did not meet Federal emission standards.

Russell Bourke - designed an engine in 1932 with only two moving parts. He connected two pistons to a refined "Scotch Yoke" crankshaft and came up with an engine that was superior in most respects to any competitive engine. His design burned any cheap carbon based fuel and delivered great mileage and performance. Article after article was published acclaiming his engine but once again, to no avail. "The Bourke Engine Documentary" is the revealing book the inventor assembled just before his death.

NEW FUELS.

Clayton J. Querles - from Lucerne Valley, California took a 10,000 mile trip across the country in his 1949 Buick on $10 worth of carbide by building a simple carbide generator which worked on the order of a miners lamp. He claimed that half a pound of acetylene pressure was sufficient to keep his car running, but because acetylene was dangerous, he put a safety valve on his generator and ran the outlet gas through water to ensure there would be no 'blow back'. The inventor also toyed successfully with methods of fuel vapourisation. (Sun-Telegram 11/2/74)

Joseph Papp - built the highly regarded Papp engine in the 60's that could run on a 15 cents an hour secret combination of expandable gases. Instead of burning fuel, this engine used electricity to expand the gas in hermetically sealed cylinders. The first prototype was a simple ninety horsepower Volvo engine with upper end modifications. Attaching the Volvo pistons to pistons fitting the sealed cylinders, the engine worked perfectly with an output of three hundred horsepower. The inventor claimed it would cost about twenty five dollars to charge each cylinder every sixty thousand miles. The idea has gotten nowhere amid accusations of suppression by the media.

CARBURETORS

G.A. Moore. - one of the most productive inventors of carburetors, held some 17,000 patents of which 250 were related to the automobile and its carburetion. Industry today relies on his air brakes and fuel injection systems, but it continues to completely ignore his systems for reducing pollution, gaining more mileage and improving overall engine efficiency. More info from "The Works of George Arlington Moore" published by the Madison Company. (See US PAT #'s 1,633,791 to 2,123,485 for 17 interesting developments.)

Joseph Bascle - created the Bascle carburetor in the mid 50's. The carburetor raised mileage by 25% and reduced pollution by 45%. It's inventor, a well known Baton Rouge researcher modified every carburetor in the local Yellow Cab fleet, shortly after his arrival there.

Kendig Carburetors - were originally hand made for racing cars by a small group of mechanics in Los Angeles in the early seventies under the title of Variable Venturi Carburetors. Eventually a young college student bought one of their less sophisticated prototypes for his old Mercury "gas hog", when he entered it in a Californian air pollution run - he won easily - not only did the carburetor reduce pollution, it gave almost twice the mileage. Within a week the student was told to remove the carburetor as it was not approved by the Air Resources Board. The simpler Kendig model was due for production in 1975 but has yet to be produced.

C.N. Pogue - from Winnipeg, Canada, developed a carburetor (US PAT# 2,026,789) in the late 1930's that used superheated steam and managed at least 200 miles per gallon. Much local interest, including threats from professional thieves, was not enough publicity to see this invention through to the market place.

John R. Fish - developed his "Fish" carburetor in the early 1940's that was tested by Ford who admitted that the invention was a third more efficient than theirs. The design can also be easily switched to alcohol. Nevertheless the inventor was hindered from manufacture and distribution in almost every possible way, he once even resorted to selling by mail order, only to be stopped by the Post Office. The device can be currently bought from "Fuel systems of America" Box 9333, Tacoma, Washington 98401 - U.S. phone: (206) 922-2228. (US PAT's 2,214,273 and 2,236,595 and 2,775,818.)

The Dresserator - was created around the early 70's in Santa Ana, California by Lester Berriman. It was based on a super-accurate mixture control using greatly enhanced airflow, and could run a car on up to a 22-to-1 fuel mixture. Test cars passed the pollution control standards with ease and managed up to an 18% mileage gain. Although Holley Carburetor and Ford signed agreements to manufacture the design in 1974, nothing has been heard of since.

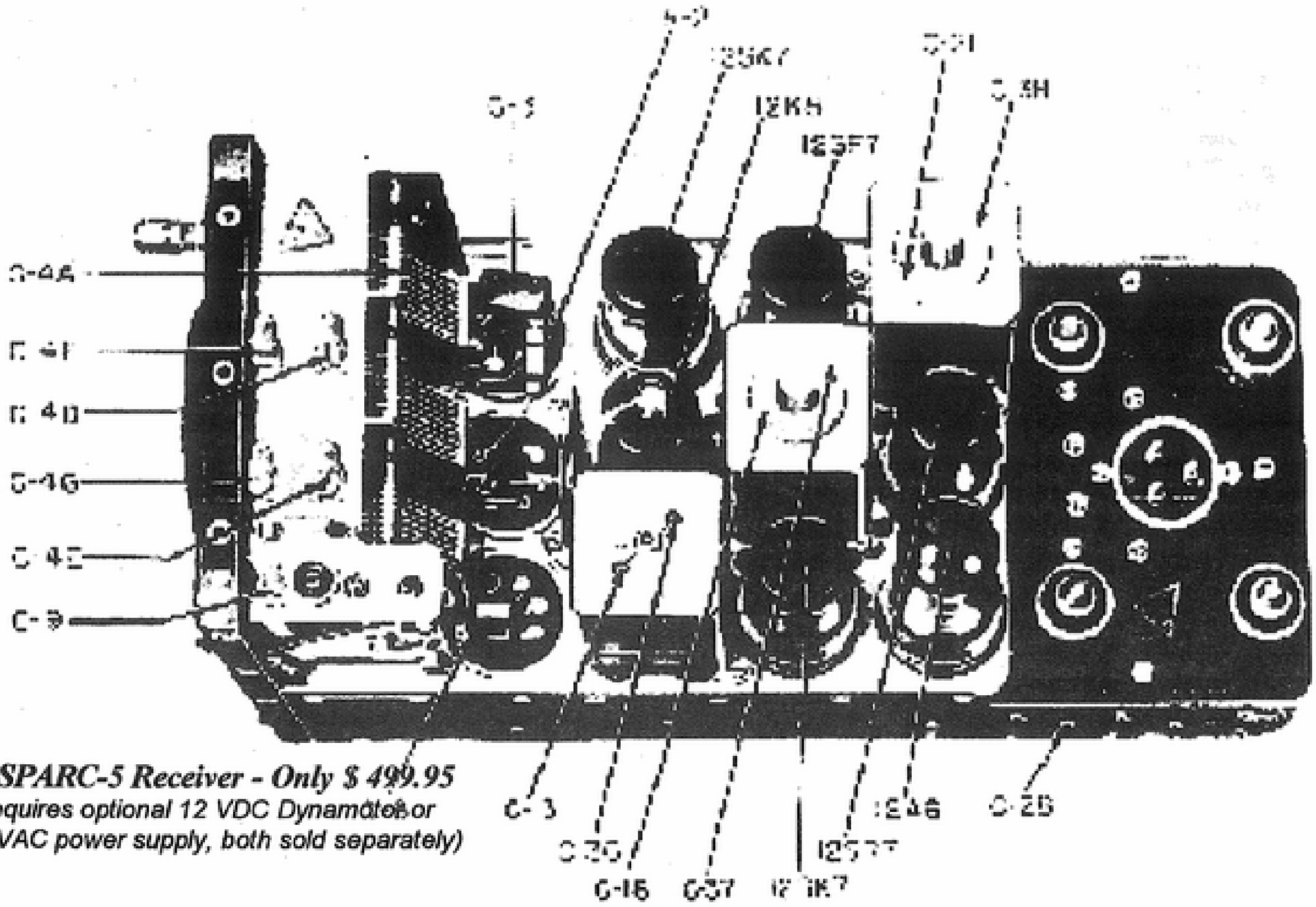
Mark J. Meierbachtol - of San Bernardino, California patented a carburetor (U.S. Patent # 3,432,281 March, 11, 69) that managed significantly greater mileage than was usual.

Some of this list is from the book *Suppressed Inventions And Other Discoveries* by Brian O'Leary, Christopher

Bird, Jeane Manning, and Barry Lynes, Auckland Institute of Technology Press, Private bag 92006, Auckland, New Zealand. ISBN No 0-9583334-7-5.

Please feel free to distribute this article. http://student.uq.edu.au/~s350815/energy.html - Chris Dubrow.

Those of you who still wonder "whatever happened to cold fusion?" should visit http://www.mv.com/ipusers/zeropoint/IEHTML/faq.html (it works) — *Doctor DX*



The SPARC-5 Receiver - Only $ 499.95
(requires optional 12 VDC Dynamotor or 115 VAC power supply, both sold separately)

Want to become a member of the OKDXA? Contact Jerry Chouinard, K5YAA, 7477 Heather Dr. Claremore, OK 74017
Have some DX News? Contact Nelson Derks, AC5UP, 13410 South 128th East Ave. Broken Arrow, OK 74011
E-Mail to: k5yaa@aol.com or ac5up@vei.net – Visit the OKDXA Web Page http://www.qsl.net/okdxa
OKDXA NET ⇒ EVERY MONDAY EVENING AT 6:30PM ⇐ 3860 kHz +/-QRM

South Canadian Amateur Radio Society
Norman, Oklahoma

Wow, I can't believe how fast this year is going. By the time this hits the streets it will be half over. If you heard that the older you get the faster it goes, I'm sorry to inform you it's very true.

The May meeting was called to order by Pres Tom, KD5ENL. We had 33 at the start and a few more came in as the meeting progressed. Treasurer Jeff, KT5OK stated we had $ in the bank with a few new dues payments to add to it.

Ken, N5BEW reported on the repeater. The "gremlins" have been exorcised once more. He had the Duplexers retuned and replaced a coax jumper and the receive sensitivity is back to what it should be. Since the sensitivity is better the Weather Service out at the airport gets into us a little when they talk on the .045 machine at Cyril. At least we get a little "buzz' but not enough to bother really. A small price to pay for their weather readiness.

President Tom has resigned as President of CORA due to some personal/family commitments. We understand and hope he can remain in that capacity here at SCARS. We'll try to take as much pressure off of him as possible and work with him and for CORA. Bill KD5DOB reported that the Ham Holiday table arrangement at the Modern Living Building is the most pressing thing facing us as we again will coordinate the flea market table assignments at Ham Holiday.

Ken Brown, N5KUK read a letter received from Ex President Dennis McCarthy stating he would not be able to be here for this years Field Day. He also has a new call and an active QRP'r so listen up for K0WXF. (Old KC5EVH) Dennis had such a positive influence on the club and is always welcome when in the area.

We're still trying to get the Generator fixed and another possible repair source was mentioned and will be tried. There are still several options as far as field day is concerned so this is not a pressing matter.

Mike, N5SOF reported the response to an order for T Shirts, Jackets and the like was not very encouraging. He is going to look into sources of embroidered work and maybe patches that could be used on existing hats or clothing.

If you are in the market for an HF antenna contact Earl N5MAF at 872-3535. He will be handling the disposition of towers and antennas of silent key Jerry Broudy W7DAD.

Some new or renewing members are:
KD5GRN Ann Forsyth
AC5VS Steve Sapp
N5USH David Tingler
N5USI Erin Tingler
N0ELS Norm Johnson
KD5NQR Howard Saxion
KD5JPK Alan Wood
John Lynch- Call pending.
KD5NRM Susan Adkins

Welcome/Welcome back

New call signs are arriving within 5 days now. Calls received on 5/17 from the 5/12 testing session…
KD5OMR Paul Stubbs
KD5OMS Ronnie Price
KD5OMT Ricky Lam
KD5OMU Adam Krech
KD5OMV Matt Duncan
Congratulations guys…

Field Day 2001 pins have been ordered. 24 were authorized and will be distributed on a first come basis. If you really have to have one get on my list…

Ham Comm and Field Day will be here before we know it. Hope to see you all there.

73 de Bill, N5UMH

NAMES IN THE NEWS: HAPPY 86TH TO W6FQ

Congratulations to Herb Gleed, W6FQ, who celebrated his 86th birthday on May 26th. For many years, Gleed served as Net Control Station for the QCWA 20 meter SSB net for many years. First licensed at age 16, W6FQ has been an amateur for 70 years. (QCWA)

RADIO LAW: FLORIDA HAM ASKS FCC TO USE NEW REGS TO OVERTURN ANTENNA RESTRICTIONS

Yet another attempt to rid ham radio of restrictions which prohibit the installation of towers and antennas. This one in a May 10th Petition for Rulemaking by Lee McVey, W6EM of Bradenton, Florida that seeks a revision of 97.15(b) to include pre-emption of third party restrictions on Amateur and other service antennas.

McVey tells Amateur Radio Newsline that he filed the petition because he feels that the ARRL has not -- at least in his opinion -- used a Commission's recent rulemaking with respect to two-way internet services to the advantage of ham radio. W6EM notes that this newly revised regulation known as 47 CFR 1.4000, extends full preemptive powers of the Commission to state, local, and third party restrictions which prevent utilization of wireless and video services. He believes that its terms can also be applied to ham radio signals as well.

At airtime, the FCC has not assigned a Rule Making designation to the W6EM request.

(W6EM)

FCC: TIME TO RESTRUCTURE ITSELF

The FCC has asked for public input on ways to reorganize the agency. According to a report in Broadcasting and Cable, the action comes as the agency prepares to better respond to the consolidation of telecommunications services offered to all Americans.

Under the anticipated change, the FCC's industry-specific bureaus such as Mass Media, Wireless and Common Carrier are expected to be realigned. This, along functional responsibilities such as licensing, enforcement and consumer affairs.

The project is being led by FCC Special Counsel Mary Beth Richards, who expects to unveil a reform plan later this year. No specific due date for comments was posted by the FCC but officials say they will be collected over the next several weeks.

(Broadcasting & Cable)

WHEAT STRAW RADIO CLUB NEWS

Our meeting was held at The Red Rock Canyon Park south of Hinton, Ok. It was a covered dish dinner with 27 people present. Three of those were visitors. Paul and his wife Earline Gregory, from Mid West City way. Vera Hladick was back with us as a visitor. We always enjoy her; she's a lot of fun.

We had a large dinner and a great variety of food with lots of sweets, and nice weather under the shelter provided by Harold K5HEZ and Hal KB5MRV.

Before I go on with the meeting I would like to apologize for the mistake in Fred Tech's call. I knew his call and have not figured out how it happened. I remarked we were glad Fred Tech K5HEZ was home from the hospital. Fred's call is K5GDE. I have tried to find out how the mistake was made, and I apologize for the mistake. K5HEZ is Harold's call.

At 2:30 the meeting was called to order by our president Leo WZ5H. All made self-introductions. After a few remarks were made the minutes of the last meeting were read and approved.

Old business was next mostly discussing the thoughts of purchasing a new repeater. We are waiting so we can try it out; if it does a good job we then will possibly purchase a skit and put it on line. It is a Cadillac repeater and I have no doubt of it not performing great.

Then next meeting will be June 10th in the Gold Bank in El Reno, Ok. If you come in on 1-40 highway turn north on the Country Club road. You can see the Bank near Baum's and go to the back door to enter. It is on the East side of the road.

The July meeting will be held in Enid, Ok. It will be he July 10, 01. The meeting will be held in the I.A.W. building called the Union Hall. It is located at 1901 N. Washington. All of us, who go in on the Owen Garriott road, go to 81 highway. Left, if that will help you. Go until you go over the overpass. Jog east off the 81 highway about 5 blocks to Washington Street. Turn to the north 5 or 6 blocks to the hall. If you are lost or you think you are lost call WD5JUT. Ron will be out there to guide you. Call on 146.52 simplex. Ron will be out there to help you in. Leo WZ5H is donating a 20-amp power supply to the club. He is not using it.

I have been having fun losing all that I have typed, hunting for it then having to do it all over again from memory. I will not write anything else in order to meet the dead line. So I will try to have something for next month. Sorry!

Ralph WA5PFK

It is never to late to look around and see just what a great country we live in.

Proud to be an American: Regardless of who won this election -I'm still proud to be an American - how about you? This, from a Canadian newspaper, is worth sharing.

America: The Good Neighbor.

Widespread but only partial news coverage was given recently to a remarkable editorial broadcast from Toronto by Gordon Sinclair, a Canadian television commentator. What follows is the full text of his trenchant remarks as printed in the Congressional Record:

"This Canadian thinks it is time to speak up for the Americans as the most generous and possibly the least appreciated people on all the earth.

Germany, Japan and, to a lesser extent, Britain and Italy were lifted out of the debris of war by the Americans who poured in billions of dollars and forgave other billions in debts. None of these countries is today paying even the interest on its remaining debts to the United States.

When France was in danger of collapsing in 1956, it was the Americans who propped it up, and their reward was to be insulted and swindled on the streets of Paris. I was there. I saw it.

When earthquakes hit distant cities, it is the United States that hurries in to help. This spring, 59 American communities were flattened by tornadoes. Nobody helped.

The Marshall Plan and the Truman Policy pumped newspapers in those countries are writing about the decadent, warmongering Americans. I'd like to see just one of those countries that is gloating over the erosion of the United States dollar build its own airplane. Does any other country in the world have a plane to equal the Boeing Jumbo Jet, the Lockheed Tri-Star, or the Douglas DC10?

Why does no other land on earth even consider putting a man or woman on the moon? You talk about Japanese technocracy, and you get radios.

You talk about American technocracy, and you find men on the moon - not once, but several times - and safely home again.

You talk about scandals, and the Americans put theirs right in the store window for everybody to look at. Even their draft-dodgers are not pursued and hounded. They are here on our streets, and most of them, unless they are breaking Canadian laws, are getting American dollars from ma and pa at home to spend here. When the railways of France, Germany and India were breaking down through age, it was the Americans who rebuilt them. When the Pennsylvania Railroad and the New York Central went broke, nobody loaned them an old caboose. Both are still broke.

I can name you 5000 times when the Americans raced to the help of other people in trouble. Can you name me even one time when someone else raced to the help even during the San Francisco earthquake. Our neighbors have faced it alone, and I'm one Canadian who is damned tired of hearing them get kicked around. They will come out of this thing with their flag high. And when they do, they are entitled to thumb their nose at the lands that are gloating over their present troubles. I hope Canada is not one of those." Stand proud, America!

This is one of the best editorials that I have ever read regarding the United States. It is nice that one man realizes it. I only wish that the rest of the world would realize it. We are always blamed for everything, and never even get a thank you for the things we do.

(via the Internet)

VHF Club *NEWS*

W5LOW

Elmer Goekler Memorial Station

Minutes, OKC VHF Club, May, 2001

The OKC VHF Club met at Hometown Buffet, on NW Expressway Wed. 9 May. Meeting was called to order 1130 AM by Bill, WA5FWD Treasurers' report was given and approved, and the minutes of the last meeting as appeared in the C & E were approved. It was announced that this would be an abbreviated meeting, and Old Business and New Business were dispatched expeditiously. It was decided to go for MFJ: Meetings Funniest Joke:

"A young man working in the produce dept of a supermarket was told by a man that he wished to buy half a head of lettuce. The young man said that lettuce is not sold like that. The customer insisted so the young man went to the store manager and said, "Some stupid jerk wants to buy half a head of lettuce". As he spoke he realized the customer was right behind him so he said, "And this gentleman wants the other half'. The manager realized what happened and took care of the customer and sent him on. He then told the young man that was pretty fast thinking, and asked where he was from. The young man replied that he was from Minnesota but he left because there wasn't anyone there but prostitutes and hockey players. Whereupon the manager said his wife was from Minnesota, and the young man said, "Really? What team was she on?"

Meeting was adjourned and we all headed for the dessert counter. (Desserts spelled backwards is stressed)

73, de J.R.
Collector and Emitter, June 2001

When hoaxes harm: The Hoax That Cried Virus

Sent in by Fred, N5NIO

Hoaxes. Many people believe them. Others aren't so sure but forward them anyway "just in case". No matter how you slice them, hoaxes are a problem and now they've taken a new tack. Originating in Brazil, a new hoax alleges the file SULFNBK.EXE is in fact a virus and urges users to search their system for the presence of the file. The hoax warns, even "Norton did not discover it". Perhaps this is because the file is not infected.

A word of caution. Any executable file has the potential to be infected. Worse, viruses like Magistr can pick certain files at random, infect it, and send it off via email to others. So the potential also exists for the File SULFNBK.EXE to be plucked by Magistr. Of course, any portable executable (PE EXE) file up to 132K in length could just as easily be sent, so there's no special distinction to the SULFNBK.EXE file.

Just what is SULFNBK.EXE? It's a utility shipped as part of the Windows 98 operating system that allows users to restore long file names. Thus, anyone using the Windows 98 operating system would find this file on their system. If the hoax were received by these users, and believed, many might 'Delete the File' thinking their anti-virus software had somehow failed to detect the virus. In fact, it wouldn't be the first time signature-based scanners failed to detect a new virus, making the entire hoax even easier to believe.

If you aren't confused yet, you should be. Hoaxes survive simply by causing confusion. They provide just enough real sounding information to guarantee a pretty high degree of faith. The more believable, the more users willing To pass it along. Hence hoaxes are very much like a manually driven virus, relying on the user to deliberately pass along the "infection".

In the case of the SULFNBK.EXE warning there's a double whammy: as users pass it along, it clogs email servers and drains resources; and those who delete it may need the file at some point. Worse, this could be a stepping stone to a new trend in hoax writing - targeting necessary system files, warning of dire consequences and instructing users to immediately delete them. If the right files were targeted, users following the warning's instructions could find themselves worse off than if a "real" virus had hit. In other words, hoaxes may soon be featuring malicious payloads deliberately executed by the gullible and unsuspecting user.

Common sense provides the best cure. If you aren't sure, don't forward it. Forget the "just in case" excuse - it's downright dangerous. Unless the warning comes from a known and reputable source, send it to the Recycle
Bin and not to your friends and co-workers. Special thanks to Giordani Rodrigues, editor of InfoGuerra.com for providing details regarding this hoax. His article, in Portuguese, can be found at:
"http://www.infoguerra.com.br/infonews/viewnews.cgi?newsid988228057,26932">http://www.infoguerra.com.br/infonews/viewnews.cgi?newsid988228057,26932,.

~Sending Flowers~

A new business was opening and one of the owner's friends wanted to send flowers for the occasion. They arrived at the new business site and the owner read the card; it said "Rest in Peace".

The owner was angry and called the florist to complain. After he had told the florist of the obvious mistake and how angry he was, the florist said. "Sir, I'm really sorry for the mistake, but rather than getting angry you should imagine this:

"Somewhere there is a funeral taking place today, and they have flowers with a note saying, 'Congratulations on your new location." ☺

***

Just a thought:

When Satan is knocking at your door, simply say,

"Jesus, could you please get that for me?"!!!!!

***

Hamfests

May 12, 2001 Choctaw ARC Swap Meeting. It will be held at the Midwest City Community Center, MWC and the doors will open around 8:15.

ANNOUNCEMENTS

VE exams on 3rd Monday of each month sponsored by C.O.R.A. @ Salvation Army HQ at NW 50th and N. May, Oklahoma City at 6 P.M. local time. Doors will be locked at 6:30.

VE exams on 3rd Saturday of each month are held at 9:00 a.m. at Southside Temple Baptist Church, 59 High, OKC. To in on 146.76 MHz. For more information you can contact Clarence Warstler, KB5IBY @ 632-3545.

VE Exams are held on the 4th Saturday of Each month, at Edmond Community Center, 28 E Main, Edmond. Starts at 10:00 AM. For more information contact Steve, N5ZQ at 405-749-9533

VE Exams are held on the first Saturday of each month, at the Church of Christ, 811 N. 4th St., Broken Arrow. Starts at 9:30 AM and lasts until everyone is finished. New hams and upgrades are welcome.

VE exams on 2nd Saturday of each month are held at 10:00 A.M. after the SCARS meeting at the American Red Cross in on Westheimer Airport in Norman. Contact Jim Copeland, NWOK at 329-1681 or e-mail jimhelps@juno.com for more information.

VE exams on 4th Tuesday of even months are held at 6:30 p.m. at the Knights of Columbus Hall in Altus, OK. Contact George Mateyo, NIGM for details.

VE exams on the 1st Tuesday of the month sponsored by the Stillwater ARC at 7:30 P.M. at the Red Cross Building, 505 S. Main. Contact Mike Crane, KC5GJN @ kc5gjn@hamsnet.net

VE exams in Enid are done on odd months starting with the month of January. On the 2nd Saturday at 10:00 AM at the Oklahoma Natural Gas Co located at the corner of HWY412 & Garland Rd., across east from Atwoods store. The testing is PREREGISTER ONLY. Contact Tom Worth, N5LWT @ 580-233-8473.

On the Air

Listings of Nets on local, repeaters or sponsored by CORA members:

ARES - *Oklahoma County* Thursday @ 8:00 p.m. on 146.22/82.
Packet check-in on 145.07

SW Oklahoma - Thursday @ 7:00 p.m. on 146.31/91.

North Central Oklahoma meets on the first and third Monday of the month at 7:30pm on the 147.150 rep

Salvation Army - Second Saturday of the month at 8:00 a.m. on 146.22/82.
HF 3941kHz - AMTOR @ 8:30 a.m. 14.064mHz

OKC Swap-n-Shop - Saturday @ 10:00 a.m. on 146.22/82.

Geritol - Daily @ 8:00 a.m. on 145.41 minus input.

Edmond Info - Monday @ 8:00 p.m. on 147.135/735.

Enid Monday Night ARES Net Monday @ 7:00 p.m. on 147.150MHZ.

Enid Amateur Radio Club Monday Night Net @ 8:00 PM on 145.29 / 444.400 Linked repeaters

W5HXL Memorial Net - Thursday @ 7:00 p.m. on 145.41 minus input.

QCWA Chp 63 HF - Sunday @ 8:00 on 3855.0 kHz USB

Wheatstraw- Wednesday @ 9:00 p.m. on 146.01 / .61

Purcell - Monday @ 8:00 on 145.19 minus input.

YL Net - Tuesday @ 8:00 p.m. on 147.09 plus

Oklahoma Training Net - Daily @ 5:30 P. M. on 7120 kHz (CW Net)

T-SARG NW OK – Friday @ 9:30 p.m. on 147.36+ with an 88.5

Oklahoma Baptist Hams Net – Sunday @ 2:00 p.m. on 7.273 kHz

Do you know of an upcoming event within the ham community?
Please e-mail us the information at
corahams@swbell.net
We can only print the announcements sent to us and we need your help to keep everyone up to date and informed. Thank you.

☺

Ode to the Spell Checker!" -
(Rated PG)

Eye halve a spelling chequer
It came with my pea sea
It plainly marques four my revue
Miss steaks eye kin knot sea.

Eye strike a key and type a word
And weight four it two say
Weather eye am wrong oar write
It shows me strait a weigh.

As soon as a mist ache is maid
It nose bee fore two long
And eye can put the error rite
Its rare lea ever wrong.

Eye have run this poem threw it
I am shore your pleased two no
Its letter perfect awl the weigh
My chequer tolled me sew!

(Via the Internet)

YL POEM: YLs needed.

It happens that I've run across
some wonderful women
in my life,
so I'm admitting right now
that the bias will be clear.

Late night talks on the radio
or across a table sipping tea
have made intelligent women's minds
a source of enlightenment to me.

The compassion of approach
for a confused old soul
lends credence to the speculation
that women learn to nurture
wounded children early on.

Maybe we need a 51% side to Amateur Radio.

Don't worry OM,
she can check into a net,
solder a connector,
sysop a packet BBS
or handle emergency traffic on HF.

If she doesn't know how now,
she can learn.

Unemployed Man & finding work
From: FN Townsley N5NIO

An unemployed man goes to apply for a job with Microsoft as a janitor. The manager there arranges for him to take an aptitude test (Section: floors, sweeping, and cleaning). After the test, the manager says, "You will be employed at minimum wage, $5.15 an hour. Let me have your e-mail address, so that I can send you a form to complete and tell you where to report for work on your first day." Taken aback, the man protests that he has neither a computer nor an e-mail address. To this the MS manager replies, "Well, then, that means that you virtually don't exist and can therefore hardly expect to be employed."

Stunned, the man leaves. Not knowing where to turn and having only $10 in his wallet, he decides to buy a 25-pound flat of tomatoes at the supermarket. Within less than two hours, he sells all the tomatoes individually at 100 percent profit. Repeating the process several times more that day, he ends up with almost $100 before going to sleep that night.

And thus it dawns on him that he could quite easily make a living selling tomatoes. Getting up early every day and going to bed late, he multiplies his profits quickly. After a short time he acquires a cart to transport several dozen boxes of tomatoes, only to have to trade it in again so that he can buy a pickup truck to support his expanding business. By the end of the second year, he is the owner of a fleet of pickup trucks and manages a staff of 100 formerly unemployed people, all selling tomatoes.

Planning for the future of his wife and children, he decides to buy some life insurance. Consulting with an insurance adviser, he picks an insurance plan to fit his new circumstances. At the end of the telephone conversation, the adviser asks him for his e-mail address in order to send the final documents electronically.

When the man replies that he has no e-mail, the adviser is stunned, "What, you don't have e-mail? How on earth have you managed to amass such wealth without the Internet, e-mail, and e-commerce? Just imagine where you would be now, if you had been connected to the Internet from the very start!"

After a moment of thought, the tomato millionaire replied, "Why, of course! I would be a floor cleaner at Microsoft!" Moral of this story:

1. The Internet, e-mail, and e-commerce do not need to rule your life.
2. If you don't have e-mail, but work hard, you can still become a millionaire.
3. Seeing that you got this story via e-mail, you're probably closer to becoming a janitor than you are to becoming a millionaire.
4. If you do have a computer and e-mail, you have already been taken to the cleaners by Microsoft.

I AM THANKFUL
From: Mark, WL7FT

I AM THANKFUL
For the teenager who is complaining about doing dishes, because that means she is at home & not on the streets.

For the taxes that I pay, because it means that I am employed.

For the mess to clean after a party, because it means that I have been surrounded by friends.

For the clothes that fit a little too snug, because it means I have enough to eat.

For my shadow that watches me work, because it means I am out in the sunshine.

For a lawn that needs mowing, windows that need cleaning, and gutters that need fixing, because it means I have a home.

For all the complaining I hear about the government, because it means that we have freedom of speech.

For the parking spot I find at the far end of the parking lot, because it means I am capable of walking and that I have been blessed with transportation.

For my huge heating bill, because it means I am warm.

For the lady behind me in church that sings off key, because it means that I can hear.

For the pile of laundry and ironing, because it means I have clothes to wear.

for weariness and aching muscles at the end of the day, because it means I have been capable of working hard.

For the alarm that goes off in the early morning hours, because it means that I am alive.

And finally.....for too much e-mail, because it means I have friends who are thinking of me.

TALK ABOUT DX!!!!
FROM: Gene Nailon K5DLE
3 May 2001

Seven Billion Miles and Counting.... Seven Billion Miles and Counting. ...Last week NASA received a weak signal from Pioneer 10, twice as far from the Sun as Pluto and speeding toward the constellation Taurus.

May 3, 2001 -- On April 28th, a Deep Space Network antenna in Madrid detected a curious radio transmission from

the constellation Taurus. The feeble signal registered little more than a billionth of a trillionth of a watt -- nonetheless, it had a powerful effect on scientists.

The signal was intelligent and it came from an interstellar spacecraft about twice as far from the Sun as Pluto. It was Pioneer 10!

Ground controllers had been listening for the distant space probe since last August with no success, raising fears that its radio transmitter had finally run out of power after 29 years in space. But, says delighted Pioneer 10 project manager Larry Lasher at NASA/Ames, "Pioneer 10 lives on!"

Pioneer 10 was launched on March 2, 1972, from Cape Kennedy aboard an Atlas Centaur rocket. At the time it was the fastest spacecraft ever to leave Earth. It was the first spacecraft to travel through the asteroid belt, the first to visit Jupiter, and the first to use a planet's gravity to change course and reach solar-system escape velocity. Now, as it races for interstellar space, Pioneer 10 faces its toughest challenge yet: the inexorable march of time.

"We're way beyond our warranty," says Lasher. "Pioneer 10 was only intended to last 21 months, but it's been going for nearly 30 years." The craft is powered by electricity derived from the warmth of decaying plutonium 238. Although the half-life of the isotope is 92 years, the thermocouples that convert heat energy to electricity are degrading faster. Mission controllers suspect there won't be enough electricity to power the radio transmitter much longer.

Scientists are monitoring Pioneer's faint signals as a test of communications technology for future interstellar missions. "The Advanced Concepts Program is funding this effort," he continued. "They're learning how to extract coherent data from a noisy signal using chaos theory." Far-flung Pioneer 10 is the perfect guinea pig for such an experiment. Its feeble signals travel nearly 11 hours to reach Earth from a distance of 7.3 billion miles -- that's 78 times farther from the Sun than our planet.

On December 8, 1992, when Pioneer 10 was "only" 5.2 billion miles away, the craft experienced an unexpected course change. Astronomers think it was diverted slightly by the gravitational pull of a Kuiper Belt Object. Circling the Sun at vast distances beyond the outermost planets, Kuiper Belt Objects are asteroid-sized bodies similar in composition to icy Pluto.

The unusual encounter happened as Pioneer 10 was exiting the realm of the planets and exploring for the first time the outer limits of the heliosphere -- a giant bubble carved out of the gaseous interstellar medium by the solar wind. No one knows the exact dimensions of the heliosphere, but Pioneer 10 is probably approaching its edge. "We could cross into interstellar space within a few years," says Lasher. "We'll know we're there when the flux of cosmic rays recorded by the onboard Geiger Tube Telescope suddenly increases." (Prof. James van Allen, principal investigator for the Geiger Tube Telescope, still analyses Pioneer 10's cosmic ray data even though van Allen himself has retired from the University of Iowa.)

Hopefully Pioneer's radio will still be transmitting when the historic crossing occurs. It could happen, says Lashher. After all, Pioneer 10 ha beaten the odds before.

For instance, Pioneer 10 was the first spacecraft to cross the asteroid belt between Mars and Jupiter. Before that crossing, no one knew how many rocks and grains of sand speeding through space at thousands of miles per hour would hit and possibly disable the spacecraft. Pioneer 10 made the journey nearly unscathed, thus opening the way for other probes to explore beyond Mars.

Later, the craft endured an intense shower of radiation inside Jupiter's magnetosphere -- and kept right on going!

After Pioneer's power runs out, the 570 lb spacecraft will have a new job: ambassador to the stars. The probe will have its first stellar encounter in about 300,000 years when it passes within three light years of the red dwarf Ross 248 in the constellation Taurus. Ross 248 is an 11th magnitude star 10.3 light years from Earth. In the next million years, Pioneer 10 will pass ten stars at distances ranging from three to nine light years, and will probably still be traveling through the Milky Way galaxy when the Sun becomes a red giant and destroys our planet five billion years hence. The probe wasn't so long-lasting in its first and only movie role, Star Trek V: the Final Frontier. A trigger-happy Klingon named Captain Kla blasted Pioneer 10 to smithereens for target practice. Of course that was just a model of the spacecraft.

TRW, the company that designed and built Pioneer 10 under contract with NASA Ames, provided Paramount Pictures drawings for the Star Trek model. Says Paul Morgan, a video producer for TRW's IMAGE Center, "The computer model was a good one, but a cameraman complained that it was hard to light." The Klingon hit it anyway.

Pioneer 10 bears a message for any life forms that it might encounter on its trek across the galaxy. A gold-anodized aluminum plaque was designed by Frank Drake and the late Carl Sagan and bolted to the spacecraft before it blasted off in 1972. The plaque's engraving depicts a man and a woman, a map of Earth's solar system, and other symbols that may help intelligent beings interpret the message and understand something about the spacecraft's creators.

As an emissary to the galaxy, Pioneer 10's greatest and most bizarre adventures may still lie ahead.

Where is Pioneer 10 heading? You can see for yourself. Just step outdoors around 8 p.m. local time and look toward the western horizon. The constellations Orion and Taurus and the bright planets Jupiter and Saturn. Pioneer 10 is coasting at 13 km/s (28,000 miles per hour) toward the red star Aldebaran, which lies 71 light years away and shines 155
Times more brightly than our own Sun.

Pioneer Home Page - background, images, and mission status reports from NASA/Ames. Pioneer Mission Description - find out more about the history of Pioneer 10 and the instruments it carries.

Nonlinear Detection and Signal Analysis -- Chaos theory can be used to pluck weak signals from a noisy data stream. (external link)

Pioneer 10 videos -- This Pioneer 10 silver anniversary web site offers a selection of video interviews with some of the key scientists and engineers who participated in the historic Pioneer project.

HAM HOLIDAY 2001

OKLAHOMA CITY

Sponsored by:

Central Oklahoma Radio Amateurs

FEATURING

Prizes

The American Radio Relay League

ARRL OKLAHOMA STATE CONVENTION

Date: July 27,28 , 2001

Time: 5-9PM Friday 8-4PM Sat

Pre-register by: 07/24/2001

$7.00 PreRegistration $9.00 at door
$10.00 Flea Market Tables (Pre Reg only)
$15 at door (if available)
$5.00 Electrical Access (if Available)

Flea Mkt setup 12-9PM Friday, 6-8AM Saturday
No Vehicles allowed in bldg after show starts

LOCATION

Oklahoma State Fairgrounds
Hobbies Arts and Crafts Bldg
At N.W. 10th and May Ave
Off I-44 at 10th Street Exit

Registration Info Call WA5JS 405-354-2061
wa5js@arrl.net

OKDXA

ARES

Dealer Contact person:
405-672-7735 Hal Miller
corahams@swbell.net

For more information visit our website
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Name _____ **Call** _____ **Year Licensed.** _____

Address _____ **City** _____ **State** ____ **Zip** _____

Pre-Registrations @ $7.00 _____

Flea Market Tables @ $10.00 _____ **AC Access @ $5.00** _____

Enclose SASE for ticket mail back **Total $** _____
Otherwise they will be held at door

June 10 - July 21, 2001

Weekly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
June 10 2:30 PM Wheatstraw ARC	*June 11*	*June 12*	*June 13* 11:00 AM Oklahoma VHF ARC	*June 14* 7:00 PM Altus Area ARA 7:00 PM Tri State ARG	*June 15*	*June 16*
June 17	*June 18* 7:00 PM Choctaw ARC	*June 19* 7:30 PM Oklahoma City Autopatch	*June 20*	*June 21*	*June 22*	*June 23*
June 24	*June 25*	*June 26* 6:30 PM Altus VE Exams 7:30 PM Central Oklahoma Radio Amateurs	*June 27*	*June 28* 7:00 PM Enid ARC	*June 29* 5:00 PM C&E Deadline	*June 30*
July 1	*July 2*	*July 3*	*July 4*	*July 5* 7:00 PM Aeronautical Center ARC	*July 6*	*July 7* 9:00 AM Ada ARC
July 8 2:30 PM Wheatstraw ARC	*July 9*	*July 10*	*July 11* 11:00 AM Oklahoma VHF ARC	*July 12* 7:00 PM Altus Area ARA 7:00 PM Tri State ARG	*July 13*	*July 14* 9:30 AM South Canadian ARS 10:00 AM Enid ARC VE Exams 10:00 AM SCARS VE Exams
July 15 2:00 PM Edmond ARS	*July 16* 7:00 PM Choctaw ARC	*July 17* 7:30 PM Oklahoma City Autopatch	*July 18*	*July 19*	*July 20*	*July 21*

May

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June

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24	25	26	27	28	29	30

July

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22	23	24	25	26	27	28
29	30	31				

August

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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	