# PAARAgraphs

**Since 1937** 

Monthly Newsletter for the Palo Alto Amateur Radio Association, Inc.



# Calendar

November 3, 1995 PAARA Meeting Menlo Park Recreation Center 700 Alma Street, Menlo Park 7:30-9:30 PM

Nov. 15, 1995 PAARA Board Meeting Red Cross Bld. 400 Mitchell Ln., Palo Alto, 7:30 P.M.

December 1, 1995 PAARA Meeting, 7:30
December No PAARA Board Meeting
December 6, 1995 PAARA Holiday Banquet

January 5, PAARA Meeting, 7:30 January 17, PAARA Board Meeting

February 2, PAARA Meeting, 7:30 February 17, PAARA Board Meeting



Program

November 3, 1995

Speaker: Jim Maxwell, W6CF

"Why Morse Code?"

Jim is the Vice Director of the ARRL Pacific Division, an internationally known DXer and radio historian. (see page 6)



Sunspots still show up from time to time confusing the experts. It is very difficult to predict when/if 15 or 10 will be open. Good DX is still showing up on 20 CW & Fone, but not consistently. A couple of big DX contests are coming up

during October and November. (Fone in October, CW in November). The new 610 amateur application forms are now available from the FCC by fax. See QST, October for more info. With great pleasure I read in the October QST of the talk given at the Dayton Convention by Cliff Stoll, K7TA. Cliff has written a new book extolling the virtues of home brew, low power, & CW. (name of book is Silicon Snake Oil). The first book I read by Cliff was "The Cuckoo's Egg". This true story is how he unearthed the hackers who were infiltrating the government files. Cliff still lives in Berkeley, and active on 40 CW with a 35 year old vacuum tube rig. DX, CW, low power, still are alive.

Ron, W6VG

Old time hams, those licensed before 1956, used the phonetic alphabet which began Able, Baker, Charlie, and so on. Now it is Alpha, Bravo, Charlie. Why was it changed and when.

The Army adopted a phonetic alphabet as early as 1914, but some of the words weren't suited for Spanish speaking people. The first worldwide agreement on a standard spelling alphabet was reached in 1927 at the International Telecommunications Union Radio Conference in Washington, DC

That too was a problem because some of its words weren't in everyday use. After more studies, an International Civil Aviation Organization alphabet was established in 1952. It ran into the same familiar snags. The new and current alphabet - Alpha through Zulu was adopted in 1956.

Hal Godfrey, N6AN

# **Miscellaneous Dates**

Flea Market at Foothill (6 AM - 2 PM) (no Foothill Flea Markets until March '96)

PAARA Palo Alto Amateur Radio Association meets 1st Friday 7:30 each month, Net 145.230 each Monday contact Jerry Tucker WA6LNV 415-961-3266.

EMARC Electronics Museum Amateur Radio Club Meets 4th Friday 7:30 each month, contact Sheldon Edelman 415-858-2176.

NCDXC Northern California DX Club Meets 2nd Friday each month, repeater for member info 147.360 Thursday 8:00 PM, contact John Troster W6ISQ 415-854-3939

NorCalQRP Northern California QRP Club Meets 1st Sunday each month contact Jim Cates 3241 Eastwood Rd., Sacramento, CA 95821.

Perham Foundation, contact Sy Stein WA6ROM 408-734-4453

SPECS Southern Peninsula Emergency Communication System Meets each Monday 8:00PM on Net 145.27, 224.36, 440.80 Mhz+ contact Mike Hastings KB6LCJ, 408-243-6745 or 408-249-6909.

SCARES South County Amateur Radio Emergency Service Meets 3rd Thursday 7:30 each month, San Carlos City Hall. Net is on 144.45 & 444.50 (PL-100) 7:30 Monday evenings. contact Dick Collins K6ANN 415-593-8952

Disaster Services, Palo Alto Chapter, American Red Cross Meets 3rd Wed. each month 7:30 PM, HF, packet, BBS, ATV, OSCAR Gateway, NASA satellite, contact Ruth Claypool 415-688-0423.

#### VE Exams

Ampex Cafeteria, 401 Broadway, R.C. 3rd Saturday each month, 11 AM

JOTA Jamboree On The Air, World wide Amateur Radio and Scouting event, 3rd weekend of October (Oct. 21)

> Help! **Historical Research**

Where can we find the book Keys, Keys, Keys, by Dave Ingram, K4TWJ? contact Steve, K6FS

# TREASURER REPORT

# Dave Bailey, WS6W

Revenues	MAY 95	JUN 95	JULY 95	AUG 95	SEPT 95	TOTAL 1995
	,,,	,,	,,	,,,	,,,	1,,,,
Dues	72	18	42	18	6	690
Flea Market	100	0	129.38	0		1931.38
AMPEX Auction	0	0	0	0		0
Advertisements	0	0	650	0		
Total	172	18	821.38	18	6	3271.38
Expenditures						
Stamps/Envelopes	0	64	0	0	32	128
DMV	0	0	0	0	0	43
State of CA	0	0				5
City of Menlo Park	0			150		300
Speaker's Dinner	13	0	7.03	26	12	80.03
Flea Market	0	0	0	0		1168.69
AMPEX Auction	0	0	0	0		0
Meeting Refresh				13.14	17.24	74.97
PAARAgraphs	16.99	64.63	324.53	300.24	312.27	1405.97
Picnic	0	398.15	0	0	0	
Field Day	0	416.41	416.41	0	197.17	
Misc.	19.97	0	14	24.97	81.20	225.20
Total	49.96	943.19	761.97	514.35	651.88	3430.86

Checking(July) \$ 5,197.26 Savings (July) \$ 17,417.59

## PAARAgraphs Ad Rates

PAARAgraphs accepts paid advertisements from non-members (short personal ads remain free for members in good standing). All ad rates listed are per issue only.

1. Not for profit ads by association members for ham-related items and wants. No cost

1. Not for profit and by association memoers for memoers and some same wants.

for business card size ads (additional space at \$2.50 per business card size).

For Profit organizations and/or individuals: \$5-business card size, \$25-half page.

\$50 full page or back cover

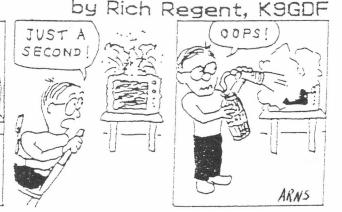
These fees may be reduced or waived in exchange for a valuable consideration that is given to the Association or its general membership. Such consideration must be in addition to any existing arrangements with the association.

The PAARAgraphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association. All fees are for "scanner-ready" copy or text-only ads.

#### Recommended reading (specially by DX-ers & HF-ers):

August 1995 Discover magazine, pp 51-61, has excellent semi-technical article on solar winds & effects on geomagnetic fields. While not directly concerning radio propagation, article suggests answers to questions about solar cycle, solar flares and impact on satellite/space communication. Great pix of auroras plus diagrams of Steve, K6FS solar/terrestrial interaction.





# **VE TESTS**



Sept. 16, 1995

Please note: There will be NO VE exams given at Ampex in October due to the Pacificon Convention. Check for other exam points if interested. The Ampex exams will be starting again November 18th. On September 16 we only had 10 applicants. On hand to administer tests were: Dan Curry WB6STW, Joe Horne KB6OWG, Gordon Girton W6NLG, Gene Irazarry KK6LO, Ron Panton W6VG, and

the CW man, **Bill Sooman WB6UVO**. One applicant whose sight was impaired was given the written (oral) test by **Bill Sooman**. Very quiet day. Remember, no exams at Ampex, October 21st. **Ron, W6VG** 



# **False Alarms**

by Sean Driscoll, WA2RCB

I accidentally discovered a new game you can play with your 2-meter HT or mobile radio. It seems the new made-in-China auto alarms are poorly shielded. At a flea market, when I started talking to a friend on the repeater, alarms in three parked, unoccupied cars went off. All were within 100 feet of me.

I quickly said 73 and quit transmitting, but the sirens and yelping noises continued for five more minutes. An hour later, as I was leaving—and just to make sure it was the radio—I gave the repeater a three-second 50-watt "kerchunk." Sure enough, alarms in two nearby cars went off. I smiled all the way home.

Don't you just love that cheap, foreign-made junk?

from Stanislaus ARA, "The Readout",

Bob Pinhiero, WA6ZLO, Editor—ARNS

## Key to last months DXCC crossword.

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#### Word List

Word List
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ANTIGULA
ANTIGUA
ARGENTINA
BEAHANAS
BARBADOS
BELIZE
BERMUDA
BOUIVIA
BRAZIL
CANADA
CAYMAN
CHILE
CLIPPERTON
COLOMBIA
COSTARICA
CUBA
DOMINICANEPUBLIC
EASTER
ECULADOR
ELSAL VADOR
FENCHCHOLIPA
GALAPAGOS
GREENLAD
GRENADA
GUDELOUPE
GUANTANAMOBAY
GUTENAL
GUTANA
HATTI
HONDURAS
JANAICA
MAPFILIOUE
MEXICO
NICARAGUA
PARAGUAY
PERU
PUERTORICO
SABA
STCHRISTOPHER
STLUCIA
STVINCENT
SURINAME
TRINIDADE
T

# AMSAT/OSCAR

As a direct result of a tip from Eric Rosenberg WD3Q at the Dayton Hamvention last April, AMSAT was offered an opportunity to tell our story to a film crew from the Discovery Channel. That opportunity came to fruition this past week in conjunction with our Annual Meeting and Space Symposium in Orlando. However, what started out as a single day of filming soon turned into much, much more.

When it was finally declared "a wrap" on Wednesday afternoon after two days of shooting, the crew had exposed over four thousand feet of 16mm film during some 86 takes. The show will be called "Eyes In The Sky", and will be shown on the Discovery Channel Network as a two hour evening special on or near the 15th of March next year. Featured on-camera spokesperson were Ketth Baker KB1SF, Dick Jansson WD4FAB and Stan Wood WA4NFY, In addition, a number of other familiar P3-D Lab faces were used in the piece.

The film crew (six of them) were real pros at their trade....they did their thing complete with audio and film camera extension booms, rolling camera tracks, tripods, and multi-color lights. Shooting was accomplished with all the "Lights-Sound-Camera-Action" lingo of a full Hollywood production, reported Keth Baker, KB1SF who acted as AMSAT's representative during the filming.

Filming was done at three locations. The first had Ketth, Dick and Stan scampering around inside Orlando's premier surplus house (Skycraft) looking for parts for the spacecraft. Then, they shot Dick Jansson roaming the aisles of the local K-Mart looking for P3-D "antenna" parts, complete with a "blue light special" PA announcement giving a price reduction on the "hardware" Dick was pulling off the shelf! Finally, they finished up the bulk of the shots at the P3-D Lab.

While they wanted it to be a "fim" piece, the overall serious theme the producers were looking for from us was that "High Tech doesn't need to be High Cost". All three of of the AMSAT folks emphasized that concept...and more... in our full-face interviews. Other themes touched on included AMSAT's "KISS" approach to spacecraft design and that the paperwork needed to document the spacecraft need not weigh more than the spacecraft itself. Some time was spent discussing Amateur Radio as a whole....who hams are, and why it's important that their continued access to our frequencies be perserved. Also



discussed was the spirit of adventure and commitment that's part of the "glue" that holds AMSAT people, and hams in general together.

Of course, there's no telling how much of our effort will end up on the cutting room floor, but all in all, it was fun, and AMSAT was given a good chance to give a national audience a good pitch for the amateur space effort and Amateur Radio. Baker said that he thinks it will turn out to be one of (if not "the") most professionally orchestrated piece ever done about AMSAT. Apparently, we will be sharing the limelight with NASA Administrator Dan Goldin and Boston Red Sox pitcher Roger Clemens, along with a lot of other "heavies" in the space biz.

Now, we'll all get to wait and see how we did, Keith Baker said...

ANS is indebted to **Keith Baker KB1SF** for this material.

#### AMSAT NEWS SERVICE BULLETIN 280.03

The AO-13 145 MHz beacon is now carrying the October 30 to January 01 transponder schedule, according to **Stacey Mills**, **WB4QKT** who copied it recently on CW. He can be reached at sem2r@galen.med.virginia.edu.

#### UO-11 BEACON OPERATING

The UO-11 beacon is ON, according to Jim White WD0E who heard it recently. Jim can be reached at wd0e@amsat.org. The AMSAT NEWS Service (ANS) NEEDS YOUR HELP! The ANS is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this weekly bulletin, please send your observations to WD0HHU at his CompuServe of 70524,2272, INTERNET address on wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ N0QCU. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

thanks to Dick Kors, KM6ED

# Help!

Bill Rausch, AA6P needs help with Monday night PAARA Net. If you could take a week, month, or any combination, he would be glad to work around your schedule. A few hams shouldn't be expected to do it all. Volunteer next Monday on Net or call Bill (415)327-4662

#### Palo Alto Amateur Radio Association, Inc. PO Box 911 Menlo Park, CA 94026

To Be Filled
To Be Filled
15) 366-0636
08) 730-5215
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Submit material for PAARAgraphs by the 15th



#### Missouri mule

A mule has 2 legs B hind, and 2 he has B4: U stand B hind B4 U find what the 2 B hind B4.

ARNS/"PHD News", KAOKSI & WOOCT ed.

# A Dxer's Lament

by Mark Nelson, AA6DX

Tuning down from 150 on both receivers,

DXing the sunrise on twenty meters.

there's no time for COs;

it's somewhat like fishing.

Getting on Honor Roll

takes more than wishing.

Transmitter loaded, linear online.

in reward for my patience,

I hear zone 39!

But the hours creep by;

his signal's too weak.

Then at last, the 5X5 speaks.

The pileup grows;

some 4's get through.

I hope he'll work split,

but simplex will do.

I mind my timing

and zero worked stations.

Aha! -just four hours

to work that rare nation.

Then he's gone, the band has faded. And on two meters, a net op's elated.

His words strike my ears;

it feels like a splat:

"Worked the 5 X-ray,

now where in Hell's that?"

By use of a net-

with no beam and no amp-

that guy'll get his card

for a Yankee green stamp.

I'm glad he got, but it's surely a shame,

that his card and mine

will look just the same!

from ARNS/Oh-Ky-In-ARS, edited by AF6S

## Dallas

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#### ALONZO DALLAS

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<sup>1</sup>PAARA·Palo Alto Amateur Radio Association·P.O. Box 911, Menlo Park, California 94026-0911 Club meetings are on the first Friday of each month, 7:30pm at the Menlo Park Recreation Center, 700 Alma Street, Menlo Park, CA. Radio NET every Monday evening, at 8:30pm, on the 145.230-600 repeater Mhz, PL tone off Membership in PAARA is \$6.00 per calendar year which includes a subscription to PAARAgraphs. Make payment to the Palo Alto Amateur Radio Association. Permission is hereby granted to reprint from this publication with appropriate source credit.



# Kids say thanks for demo

[Several PAARA members have expressed concern for the shortage of new hams. The following are notes from sixth-grade kids after an inschool demonstration by members of the Gwinnet ARS, Liiburn, Georgia, (last names omitted).]

I liked it when I got to try Morse code, and someone decoded what I said.—Katie

I liked when we got to communicate with the actual exhibits. My favorite was the one where you spell out the beeps in the letters with black and white buttons.—Ashley

I learned a lot from your demonstrations. I'm going to start studying for the exam, so I can get a license.—

Catherine

I want to thank you for coming here and showing how radio waves work. It is neat how messages can go from person to person through the air.—Jennifer

I thought it was interesting how you could talk all over the world with the Morse code. I especially liked how you could listen in on conversations.—Kirk

It was cool to see all that equipment. My favorites were the computer and the phone. Me and my mom are studying for our licenses. I am thinking of getting the computer one. It was awesome when you got in touch with the guy in the airplane.—Drew

I loved your radios so much, I got my license manual that same day. I'm going to take the no-code test. Maybe later I will get the codes!—Amy

I like the idea of talking to someone on a computer, walkie-talkie, radio, or with Morse code for fun. Talking to a guy in an airplane hundreds of miles away in Nebraska and thousands of feet in the air was intriguing. Ham radio must be fun. One day it might take over (from) the telephone, except for business.—Kay

I thought the demonstration was interesting, especially when we got to talk to the man in Florida. I always thought Amateur Radio was fun. I just didn't know anyone who could tell me about it, and show me how it works. I learned a lot about callsigns, Morse code, and that computers (one of my favorite hobbies) are involved.

I never knew that Morse code was universal. I had

always thought you had to know another language.—

I enjoyed your ham radio presentation. In fact, I was so thrilled to see all the equipment, that when I got home the first thing I did was to tell my mom and dad what I did. They were amazed. Then when my sister, Celan, came downstairs, I told her about ham radio. She told me she couldn't wait until she was in sixth grade, so she would be able to work with you to contact other hams.—Selina from ARNS/"Garsett"-Dean Matthews. AD4OD, Editor

# **Speaker for November** Jim Maxwell, W6CF:

-"Why Morse Code?"

Licensed in 1948, Extra Class, Life Member. Served on two ARRL advisory committees: contest (chair) and DX (corresponding secretary). Active at Pacific Division Staff meetings for over 20 years. Served as Section Manager, Santa Clara Valley section.

Special interests: operating, emergency, communications, and radio history. Active from 80 meters through 70 cm on phone, CW, FM, and packet. Have been active on the satellites, and served on the board of directors, Project Oscar. Emergency Coordinator for Loma Prieta ARES, and American Red Cross volunteer in Disaster Services. Member of several local radio clubs and ARES groups in Santa Cruz and Santa Clara counties. Member NCDXC, NCCC, QCWA, AWA, RCA, RSGB.

Occupation: Took early retirement in 1992 after 33 years as an aerospace engineer, now employed part-time in the same field. Also worked as a shipboard "sparks," as an army radio operator, and in electronics manufacturing.

Education: BS(physics), MS(mathematics), PhD(aeronautical engineering/biomechanics).

I am an active ham, familiar with most conditions, trends, and problems on the HF, VHF and UHF bands. Today is the most exciting period in the history of amateur radio, as a result of recent explosive growth in numbers and as a result of opportunities presented by new and emerging technologies. With these opportunities come challenges-restrictive antenna ordinances, RFI, Challenges to our frequencies by commercial interests, and jammers, to name only a few. My experience, which includes ARRL activities at the local, section, division, and national levels, as well as non-ARRL activities, uniquely qualifies me to represent you in these challenging times. I will be an active vice director, visible at meetings and events throughout the division, available to listen to you, to provide help when needed, and to represent your interests to the division director and to the League.

from Statements of Candidates, Pacific Division 1993 election

## **Technical perfection**

They haven't invented the perfect office computer yet, one that understands its environment. When it makes a mistake, it will blame another computer. from ARNS/"QCWA Newsletter", Paul Lentz, K8PL ed.

# DX PACKET SPOTTING NETWORK

# Northern California and Nevada

The DXPSN is a cluster of nodes tied together by a backbone and used primarily for the dissemination of DX information both on a real time basis and in storage. This network has no connection with full service BBS' or their distributing networks. Users of this network generally are the dyed-in-the-wool, HF CW, SSB, and RTTY DXers. The network uses PacketCluster and Cluster Companion software by Pavillion Software.

Currently, there are 12 major nodes, and 12 net linking digipeaters. This provides coverage the breadth of Northern California, and as far north as the Redding area, and to Palmdale in the south. The network nodes and digis are as follows:

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Location	Node	Digi	Freq	Area covered
Reno	KI3V	PCDX	146.58	Reno, Virginia City. NV
Rio Linda	W6G0	DXC,DX3	144.95	Sacramento, Redding, Chico
Santa Rosa	WB2CHO		144.95	Santa Rosa, North Bay
Pittsburg	AHOU		146.58	Walnut Creek, Pittsburg
	AHOU	DX4	146.58	Sugarloaf Mt - Napa
San Francisco	W6OTC		145.67	S.F., East Bay, North
Redwood City	W60AT	DX5	145.77	
Mnt. View	K6LLK		145.95	
Oakdale	K6AYA		146.58	
Los Gatos	N6ST	DXF	146.595	Santa Cruz, Monterey
Hanford	K60ZL	DX6,	144.95	Hanford, Bear Mt.
	K60ZL	DX7	145.77	Adelaide Mt. Bakersfield
Palmdale	K6GX0		145.67	Antelope Valley area
Milpitas	KJ6NN	DXFMT	1299.90	San Jose & Fremont area

Those who can not directly connect to a node, may try connecting through the linking digipeater.

The Northern California-Nevada Packet- Cluster is also linked to a similar PacketCluster in Southern California, and on occasion, links with other PacketClusters (15 in number) throughout the United States and Canada.

The network has most of the features of full service BBS'. Automatic forwarding of personal and bulletin type mail plus DX announcements, WWV reports, QSL information, and a host of other information of particular interest to DXers. The network can accommodate a total of 1000 users at any one time. Users can use the talk command to communicate between each other or a conference hookup can be made if several users are involved.



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# FIRST CLASS MAIL

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