



Palomar Amateur Radio Club

May 2004

May Meeting

May 5, 2004

Carlsbad Safety Center

KC6UQH (Art) will present a program on the design and manufacturing of amateur radio antennas. The program will discuss practical considerations that should be taken in the set-up of inexpensive antennas, and also considerations to keep in mind when planning larger and more complex installations. This will be an excellent program for newcomers to the hobby.

PARC Repeaters

Palomar Mt. Repeaters (W6NWX)

PARC Trustee: AB6QT

*52.680- W6NWX, -0.5 MHz.

Autopatches:

146.730-, *147.075+

* 147.130+, *447.000-

PKT:

145.050s (PALMAR/W6NWX-1)

146.700- (Duplex Pkt) PALBBS/
EMG use

145.070/146.7 - (W6NWX-3/PALBBS)

ATV "OUTPUT":

1241.25 MHz. am

ATV "IN":

915 wbfm, 919 am, 2441.25 wbfm

Intercom:

146.415 PL 79.7 nbfm

Affiliated:

*224.38- & *224.94 KK6KD (HARS)

*447.05- & *145.26 KK6KD (HARS)

*146.175+ N6FQ(FalbrkARC) linked to

*445.600 MHz (-)

*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

* = 107.2 Hz. PL Tone

President's Message.-

As you read these lines, many of us will be making plans and looking forward to the Dayton Hamvention. Have you ever been to Dayton? If not, you should plan on at least one trip to ham's "Mecca" in order to gain a unique appreciation of our hobby.

Those of you who travel through, or lived on, the East Coast know that there are differences between East and West experiences in ham radio. One of those differences is the variety and frequency of East Coast hamfests, a tradition simply not found out here in California. For unclear reasons, and in spite of the much larger number of hams in California than in any other state, we simply do not have many opportunities to gather and enjoy the hamfest tradition. Our "swapmeets" pale in comparison to events such as the Dayton, Timonium, Baltimore, Frostfest (in Vienna VA), Berryville, SPARC, Richmond, and similar East Coast hamfests.

Starting in February, and lasting through November, the large ones mentioned take place once a month. When you include smaller, but no less attended events in local communities, East Coast hams can enjoy a major opportunity to meet, have "eye ball QSOs", and trade gear and stories, at least once a week throughout the year!

Congratulations to NA6RS (Ron), our Scope editor, on his recent move to Maryland. While we miss him and his good sense of humor on the repeaters, he is now settling on the next phase of his journey, and reunited with family and friends. Scope readers probably do not appreciate that his steady hand is the reason Scope appears seamlessly at the printers every month, regardless of where in the world Ron is flying in his pilot career. *Thanks Ron!*

Many thanks to N6FU (Jim) who is now serving as the PARC VE Coordinator while AA6OM (Rusty) is temporarily on a remote work assignment. Jim stepped up to the plate without hesitation, in the finest tradition of volunteerism. We are lucky key people do volunteer on a moment's notice, as without their willingness to serve, many of the PARC functions would be missed.

Many of you called or emailed with humor and enjoyment of last month's April fool President's column. Indeed, one PARC member actually talked about SPART (the "Society for Preservation of Amateur Radio Traditions) on the 146.730 repeater, and was surprised to learn it was all a joke! So, any of you out there who did not read the end of the April President's column, the column *was an April fool column*. My apologies to those who kept trying to log on to the fictional web page links. Remember, just because it has a web link, it does not mean it is real!

73 de NN3V

Club Membership

New Members Joining PARC:

KE9SP, KJ6EF, KG6UER, AC6NI,
AE6PU, KE6DUG, and AI0RL.

Apologies to KE9SP, listed as KE6SP last month.

We had 3 "old" members reinstate their membership after considerable delay. Welcome back.

AI, W6GNI

Minutes

Palomar Amateur Radio Club Board of Directors

April 14, 2004

The meeting was called to order at 7:06 PM by K6KAL at the home of KB6NMK.

Present were:

Vice President, Dennis Baca KD6TJ
Director Merle Risdon, KR6BT

Treasurer, Jo Ashley, KB6NMK
Director, Stephen Early, AD6VI

Secretary, Dick Kalkofen, K6KAL
Membership Chairman, Al Donlevy,

Treasurer's Report of 4/14/2004

Jo, KB6NMK submitted the Treasurer's Report. Two CD's have been rolled over, one for six months and one for 12 months. Dick, K6KAL moved the report as distributed be accepted, and was seconded by Steve, AD6VI.

Secretaries Report

Jo, KB6NMK moved that the report as distributed to the board and published in the scope be accepted, and was seconded by AL W6GNI.

Discussion Items

Dick K6KAL continued his report on a search for LCD projector for the club. There was a discussion as to getting it locally or from a 'Web' site, and it was agreed to search locally.

There was a brief review of the features that would most benefit the clubs needs.

There was a brief discussion as to a safe deposit box for the club. Al, W6GNI will make some inquires as to what sizes are available and what size the club would need.

There was a brief discussion about the clubs bylaws. Dennis KD6TJ passed out copies for reference in future discussions.

A request by the EARS club to use the Clubs repeater by Nick, KK6TV in support of Valley Center Western Days Parade on Saturday May 29th, 9 AM to 1 PM, was approved for the 146.075 repeater.

Membership report

Al, W6GNI notes that the club now has 466 members down 2 from last month.

Repeater Technical

The following was submitted by Mike Doyle, AB6QT Repeater Technical Chair via Email:

1. The 147.075 repeater was off the air for about 3 weeks with a dead PA. I returned it to normal service on Sunday March 28th.

2. The work party provided for a successful transfer of items from the old trailer to the camper. The old Chevy truck that I drove there was full of "stuff" for the dumpster. Al Donlevy W6GNI and John Carmichael N6FU both helped tremendously on that day. The next step is for me to spend a couple of hours (and another empty Chevy) to finish the job. We will then be ready to dispose of the trailer. I have the tires for it here at my house and I will make sure that they hold air for the event. I guess we need to decide "What to do " with it. Perhaps Father Joe can help. Perhaps. After the trailer is out of the way then I would like to revisit my idea from several summers ago to place a small cargo container in its place. Perhaps someone can start to research that idea.

3. It has been reported to me and confirmed by me that the 447 repeater is sick with low volume. I will check it out sometime soon after my return from Arizona.

4. John Carmichael N6FU is interested in learning the "ropes" at the repeater site and I intend on starting to train him

when I work on the 447 repeater. Thanks John.

5. Since I will eventually be leaving the area (perhaps 2 to 6 years from now), we should start looking for a replacement for the W6NWG trustee. It is very possible since I now am buying 40 acres in Arizona that the 2 years is more realistic than the 6, but time will tell. I am willing to give up the trustee position as soon as we can find a replacement. 73 de AB6QT

Repeater Site

There was no site report at this meeting.

Next Board Meeting

The May board meeting will be held at the home of Jo, KB6NMK at 7:00 PM on May 12 14th.

The meeting was adjourned at 8:06 PM.

Respectfully submitted,

Dick Kalkofen, K6KAL, Secretary

DEL MAR FAIR

The Del Mar Fair is coming up in June! We need volunteers to man the ham radio station at the fair. If you are interested, please contact NE6O Jim Cooper.

The Palomar ARC will be sponsoring the following day(s): someday, June some-time etc.

Shifts are four hours long. You will get free admission to the fair the day of your participation.

73, Jim Cooper NE6O
ne6o@amsat.org
760-727-8446

Find and Using Repeaters Part 4 by AC6V, Rod

EMERGENCY NETS. Emergency nets are an organized meeting of Amateurs to conduct dissemination of emergency news, drills or the real thing. Most organizations require some training on how to conduct and handle emergency traffic. Emergency groups include Amateur Radio Emergency Service (ARES) and Radio Amateur Civil Emergency Service (RACES). Contact your local emergency group or ask on a repeater for how to join. – see URL: ac6v.com/emergency.htm for more details on emergency service. Joining these groups is a good way to get to know people as well as be prepared to help in a real emergency. These groups also participate in Public Relation events, such as parades, air shows, horse races, street fairs, etc. Participating can be a great way to learn how to pass traffic and understand communication protocol.

HAM HELP NETS. Many repeaters sponsor ham help nets for new comers or anyone else who has questions or needs advice. Subjects often discussed are antenna building, SWR, charging batteries, computer problems, HF operation, microwave, ATV, PSK31, the list is endless. Some conduct Morse code practice sessions. One can get on the repeater at any time and seek help, but there may be a limited audience. Ham help nets usually draw several experienced hams who can

address just about any ham related question. The moderator typically has the Internet up and running and can direct questions to applicable URL's. **END**

Thanks Rod for your support of your newsletter. de NA6RS, Ron

Q Signals Heard on HF/VHF

Q-Signal	Question ?	Answer, Advise, or Order
QRM	Are you being interfered with? Do you have interference	I am being interfered with. Common Usage - A jammer or a spurious signal is interfering with the repeater.
QRN	Are you troubled by static?	I am troubled by static. Common usage "Path Noise"
QRP	Shall I decrease power?	Decrease power (commonly a Low Power Station)
QRT	Shall I stop sending?	Stop sending (Common usage - clear of the repeater) (Maybe Shutting Down)
QRX	When will you call me again?	I will call you again at ... (hours) on ... kHz (or MHz) Common Usage Pause, Wait, Standby, maybe a phone call or shifting gears in a mobile
QRZ	Who is calling me?	You are being called by ... on ... kHz (or MHz)
QSL	Can you acknowledge receipt? Common usage - Did you get that OK?	I am acknowledging receipt. Common usage -- Yes I understand, Roger
QSO	Can you communicate with ... direct or by relay?	I can communicate with ... direct (or by relay through ...) Common Usage -- A 2-Way Contact, a conversation.
QSY	Shall I change to transmission on another frequency?	Change to transmission on another frequency (or on ... kHz (or MHz). Common Usage - Changing channels (frequencies)
QTH	Common usage Where are you located?	Common usage - Your location mobile or home
73	73 is not a Q- It means "Best Regards". Since regards is plural we say 73 not 73's.	
88	88 is not a Q-Signal but is a hang over from telegraph days. It means "Love and Kisses"	Commonly used for exchange with the opposite gender, but used for those who you would normally send " Love and Kisses" in a correspondence.

Committee Chairmen

AREInfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Art	KC6UQH@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GVM@arrl.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Inventory	-Dennis B	KD6TUI@juno.com
New Members	-John E.	KG6EQU@amsat.org
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@amsat.org
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Dennis B.	KD6TUI@amsat.org
Publicity	-	
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDivDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Jim C.	N6FU@amsat.org
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org

(Net Managers) (see pg.12)

ARES Sun	-	
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-David D	KC6YSO@amsat.org
Hiking	-Ed B	ebbutler@juno.com
	-Glenn P	KE6ZLY@Juno.com
MARA	-Cathy	KE6IQU W6NWG@amsat.org
Microwave	-Kerry B	
Off Road	-Jerry A	jwak6pfp@cts.com
	-Dick W	KA7AYT rwilimek@home.com
Sailors	-Paul/Rod	NN6X@amsat.org / AC6V@amsat.org
Traffic(SDCTN)-Charles		N6TEP cmiele@juno.com

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

EMAIL address for Website is **webmaster@palomarc.org**

Other addresses of interest:

Scope@palomarc.org
Board@palomarc.org
Membership@palomarc.org

Contest Coral

May 1 MARAC County Hunters, CW
 May 1 10-10 Int'l Spring Contest, CW
 May 1 Indiana QSO Party
 May 1 New England QSO Party
 May 8 VOLTA WW RTTY Contest
 May 8 Mid-Atlantic QSO Party
 May 8 NV and OR QSO Parties
 May 8 FISTS Spring Sprint
 May 15 US Counties QSO Party
 May 15 King of Spain Contest, CW
 May 15 Portugal Navy Day Contest
 May 22 2 GHz and UP Contest
 May 29 CQ WW WPX Contest, CW
 May 29 Great Lakes QSO Party

Boy! There's a lot of QSO parties this month. Good chance to round out your quest for Worked All States. And if you are chasing DXCC, the CQ WW WPX contest is a great opportunity. Complete rules may be found in QST, CQ, NCJ and Worldradio magazines.

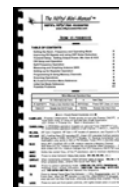
CU in the Contest de Harry, W6YOO

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P.A.R.C. Inc (2004 Board)

Pres: Charlie Ristorcelli NN3V
858.676.3307 NN3V@amsat.org

VP: Dennis Baca KD6TUJ
760.722.0251 KD6TUJ@amsat.org

Sec: Dick Kalkofen K6KAL.
760.519.0670 K6KAL@amsat.org

Treas: Jo Ashley KB6NMK
760.741.2560 KB6NMK@amsat.org

Dir#1: Merle Risdon KR6BT
760.941.0213 KR6BT@amsat.org

Dir#2: Steve Early AD6VII
619.461.2818 AD6VI@amsat.org

Repeater Site:

Mike Pennington KD6VHI
760.749-8888 KD6VHI@amsat.org

Membership:

Al Donlevy W6GNI
760.630.3096 W6GNI@amsat.org

New Member:

John Earnest KG6EQU.
858.484.8579 KG6EQU@amsat.org

Repeater Technical:

Mike Doyle AB6QT
760.742.1573 AB6QT@amsat.org

Web Pages

PARC's Home Page -
<http://www.palomararc.org>

Rod's - AC6V
<http://www.ac6v.com>

ARES Alert Publication
<http://sanarrl.org/alert.htm>

Tom's Hiker's - KF6PAZ
<http://www.fanciful.org/san-diego-hiker>

Jeff N6FRW Grace N6WPA

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Free Tubes

PARC North County Tube Bank offers free tubes for club members. I will deliver tubes to meetings for personal repairs (not for commercial/resale). We have a good assortment of common types (1935-1970).

**E-mail WB6IQS@juno.com or
call evenings 760-727-3876.**

Treasurer \$\$\$,\$\$\$

Jo Ashley KB6NMK@amsat.org
ASSETS March 31, 2004

Cash and Bank Accounts	
CD	2,838.02
CD	2,692.46
CD	3,402.87
CD	2,842.94
Checking	3,342.39
Post Office	97.45

TOTAL ASSETS \$15,216.13

LIABILITES	
Pre-paid dues	7,596.00
Prop. Insurance	1,800.00

Total \$9,396.00

EQUITY 5,820.13

TOTAL LIABILITIES & EQUITY
\$15,216.13

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For Sale

(5.1) **Ten-Tec 1209** 2 meter to 6 meter Transverter kit. Never assembled, but parts checked for completeness. See Ten-Tec site for specs. \$50. ad6lp@amsat.org.

(5.2) **Collins 75S1** Receiver \$250.00, **Hallicrafters SX117** Receiver \$200.00, **Hallicrafters HA6** (6 Meters Transverter) \$30.00, **CushCraft AR-2** 2 Meter Ringo Antenna \$15.00, **Knight R55a** Receiver \$45.00, **Knight Span Master** Receiver \$35.00, **TEN TEC 1254** Receiver \$75.00, Several old Tube CB's (Can be converted to 10 Meters) (Call for info) Contact KF6MYE Jerry Kopack 760-436-6238 or JKopack@DIRECPC.com

(4.2) **ICOM IC-3AT** 220 MHz, Very Clean w/Key Pad, PL, New Antenna, New Battery. Asking \$50.00 OBO. (1) Wilson Hand Held, Mark IV Receive 146.52 Simplex, 146.64, 147.150.I, \$25.00, Bayard K6GAO 858-755-5507.

(4.3) **Yaesu FT-230R** 2 Mtr FM Transceiver w/SS32 PL Board \$80.00, **Astron AS-7** Power Supply \$29.00, **Yaesu FT-227R** 2 Mtr FM Transceiver \$45.00, **Celestron C-8** Catadioptric Telescope with Heavy Duty Tripod, Planetary motor-drive, X2 Barlow Lense – Spotting Scope, w/manuals \$850.00, 2 – B&W 9" Security Monitors \$10.00 each, Galaxy Electronics PR550 Phone Patch w/manual \$25.00, 2 Larsen 6 Mtr 5/8 wave mobile antennas, fits NLA Mounts \$10.00 each, Swan MMBX mobile antenna matcher \$10.00. Cushcraft R-7000 Vertical \$150.00. Panasonic Stereo Earphones Model RP-HT12 (New) \$4.00 Each. Panasonic Super Compact Blank Video Tape ST-C30 (New) \$4.00 Each. New Panasonic Video Accessories, i.e., Tape Head Cleaners, Camera Power Supplies ETC., Too numerous to list. Contact Dennis K7DCG @ 858-748-9046 or email: K7DCG @ ARRL.NET

(4.4) **ICOM IC-T81A**, case, HM-75A speaker microphone, BP-197 battery case, OPC-254/L DC power cable, CS-T81 cloning software, OPC-478

Personal equipment ads are free to members and could be "bumped" after 3 months. Make up your ad like the ones on this page. Send to Scope before the 18th of each month.

Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought.

SCOPE@palomararc.org

cloning cable, and MH-510 tri-band after-market antenna. \$120. Bob KY6P. (619) 318-2217

(2.5) **ICOM IC-T81A**, case, HM-75A speaker microphone, BP-197 battery case, OPC-254/L DC power cable, CS-T81 cloning software, OPC-478 cloning cable, and MH-510 tri-band after-market antenna. \$160. Bob KY6P. (619) 318-2217.

(1.12) **10 GHz Gun Plexers** (2) Brand new, still in box, **U-wave MA87.27**, 10.25 GHz Varactor tuned GP xcvr. Make offer & pay shipping. Contact JACK KG6RWI @ 760/749-4572 or e-mail KG6RWI@aol.com for details.

(11.29) Tubes, chokes, transformers, capacitors, etc. for sale. I anticipate moving and all things must go! Please contact for a detailed inventory. Call: NI6N. Email: pat_osullivan_email@yahoo.com. Phone: (760) 940-8355."

(10.13) **Yaesu FT-817** package - includes the FT-817 and microphone, 500 Hz Collins filter, LDG Z-11 auto tuner and balun, W4RT One Plug Power battery, original battery and battery door, dry cell holder, Buxcom Rascal soundcard interface and software, Waters and Stanton AT80 portable antenna and Hf-project 30 watt amplifier (needs work), manual. \$600.00. **SGC 2020 HF** transceiver with ADSP2 and microphone- \$450.00 Gary, W6GDK at (858) 679-0578 or w6gdk@arrl.net

(9.18) **29' Ericson Sailboat**, Auto-pilot, radio, depth sounder, TV, Microwave, Sleeps 6, Head, Galley, **Transformer**, (CV Solar, Input 115v 60cyc, Out, 120v, 25 amp.) **Transformer** (75KVA, 50% Duty Cycle, Primayr 440v, Sec. Parallel Low 5.37,5.88,6.2,6.57 — Hi 7.22,8.15,8.8,9.59

or Series Low 10.74,11.72,12.40,13.14 or Hi, 14.22,16.3,17.6,19.14v, Call Art Nye KB6YHZ, 760-758-0234

(2.22) **4 El 10 Meter Yagi Beam** All stainless hardware w/W2DU Beam 50 Ohm Balun. Only up for short time, Very clean, Works very well. \$75.00 OBO Bayard K6GAO 858-755-5507

(10.25) Radio Shack 300-Channel **Handheld Trunk Tracker Scanner, Pro-90**, Like new in box 80.00. Louie KF6QBS.760-727-0846. kf6qbs@amsat.org.

(10.3) **Bencher Paddle Keyer and MFJ automatic keyer** (curtis chip). Like New! \$75 Bob AC6JG 760 207-9045.

Wanted

(4.5) Print or Manual for a SB 200 Heathkit Linier Amplifier W6ODU 760-749-8385

(3.9) Lafayette HA-600 or HA-600A, working or not. Contact Bill, KD6BFR, -kd6bfr@hotmail.com 760-480-6805

(3.8) Copy of Instruction Manual for the Unique Wire Tuner. Jim Keller WB6YXY 760-758-7655 jkeller@cox.net.

(2.3) Six, 12Volt UPS batteries (72 VDC total) 38 AHr gel cells. For the PALBBS computer. We could use a different AHr rating if necessary. Current backup batteries are getting weak.

PALOMAR ENGINEERS

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Model BA-58 (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

Model BA-8 (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

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PARC NETS

Sunday	0830	146.730	ARES
Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	1915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
2nd Wed	2100	146.730	PARC Board Net
Thursday	1930	147.075	Young Hams Net
Thursday	2100	146.730	Ham Help Net
Friday	2100	146.730	Hiker's Net
Saturday	2000	52.680	6 Meter ARES Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)

PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

Contact Jim N6FU
760-751-2515 or N6FU@amsat.org

EARS Testing

Escondido - LAST Saturday at 9:00 am
Chamber of Commerce
720 N.Broadway, Esc 92025

Contact Harry W6YOO
760-743-4212 or W6YOO@amsat.org

Register 5-7 days in advance for tests.

Repeater Status

146.730-	:	Normal
147.075+	:	Normal
147.130+	:	Normal
447.000-	:	Normal
52.680-	:	Normal
146.700-	:	Packet Repeater Normal
145.050	:	Packet Digi Normal
PALBBS	:	Bulletin Board Normal
AutoPatch	:	Normal
ATV	:	Upgrading

Send \$18 Dues To:
PARC, P.O. Box 73
Vista CA 92085-0073

HAM

RADIO

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Tom KM6K
Ron N6OMW
Jose XE2SJB
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TEN-TEC
Hy-Gain,
Tri-EX,
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*and others to
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