Our President's Message

July, 2023

As you read this message, the 2023 ARRL Field Day has taken place. Our club participates in this major event held each year on the last week-end of June. Amateur radio operators from around the world engage in this event attempting to make as many QSO's as possible.

Although Field Day was primarily intended to exhibit preparation for emergency situations, the event has taken on an additional function.

Recognition is given to individuals and clubs for the most contacts in various categories.

Another benefit of Field Day is the camaraderie shared by radio amateurs by erecting antennas, sharing operating responsibilities and socializing. At our July meeting we will review and critique our experiences from Field Day.

Doug Poray, President, HCARC

Happy Birthday To:

John Hann	K2JWH
Mike Bauer	KC2KTC
Stan Stafiej	KB2PD
Tom Tammaro	KD2VMR
Lucille Hann	

Happy Anniversaries To:

Carl Grabala & Holene

John & Lucille Hann

Larry & Grace Puccio

Gary & Betty Bernstein

Ocean County ARES® News

July 2023

During the June 21st Ocean County ARES meeting, I demonstrated a portable VARA FM station he built that could be used for a mobile application or at a deployment site such as a shelter. The case is nothing

[Continued on next page]

OUR NEXT "REGULAR" MEETING:
Thursday July 6th at 7:00 PM
Holiday City South Clubhouse A
Santiago Drive at Mule Road
Toms River, NJ

fancy, just an outdated K40 Roadcase Plus that was sold years ago for truckers and CB radio. I had two brand new cases just sitting on the shelf and decided to finally put them to use.

The unit features an Alinco DR-135T digital 9600 baud transceiver, Masters Communications DRA-30 sound module and a Lenovo Thinkcentere micro PC running Windows 10. The case connections were located to make it easier to position the unit on the back seat of my mobile. The PC was designed to run off a 20 VDC power pack with 120 VAC input, but I found a DC supply made by PWR+ that will do the job nicely with 12 to 24 VDC input. The cigar plug was cut off and a 30 amp powerpole was installed.

A generic RIGrunner was mounted in the box to fuse all circuits and terminate a powerpole connections. A fan was mounted on the back of the box to provide forced ventilation with a power switch on the side should you not need the extra flow.

The original Roadcase had two side mounted speakers for a stereo receiver. Both speakers were removed and both grills were left to provide inlet ventilation flow. A third 4 inch speaker was left in the front and plugged into the transceiver aux audio output. A heavy duty DC switch was added to the front of the case to shut off all DC to the box without having to unplug the side mounted powerpole. A rooftop GPS also plugs into the PC front and provides an exact latitude and longitude for Winlink.

The PC HDMI video output was run to an HDMI chassis

connector and a top mounted type A USB chassis connector was installed to provide a spot to plug in a WiFi USB module and antenna. The Logitech K400 keyboard/mousepad is wireless and connects via a small USB dongle. Any HDMI monitor will work for video and audio. I use a 7 inch portable tablet monitor for the car and an optional 15 inch KYY display for any tabletop use. A side mounted UHF feedthrough connector was installed to connect to a 2 meter mag mount antenna.

Tests around the county showed no problem connecting to any of the WA2RES VARA FM digipeaters or the WX2NJ-10 RMS when close enough. Additionally, the VARA FM program is configured to provide a digipeater function to fill in to a dead area during an emergency, such as a search in a remote area.

Normally for VARA FM operation, no microphone is installed, but the transceiver can be used as a regular voice transceiver on the 2 meter band with 50 watts output max.

Also, at the meeting, N2XW presented John – N2LD, with a 50 year ARRL certificate and pin. Congratulations John for being an ARRL member for 50 years!

W2ALI and N2XW present WX2NJ with 25yr EC Plaque

Our Volunteer Examiner Crew
Larry K2QDY (Liaison) 732-349-2950,
John KQ4WR, Stan KB2PD,
Steve N2WLH, Michael WA2CWX

License exams are given by appointment at 7:00pm on the first Wednesday after each HCARC meeting at Holiday City South Clubhouse Bldg A, which is at the corner of Mule Rd. and Santiago Dr. Call Larry Puccio, K2QDY, at **732-349-2950** *for an appointment.*

Directions: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Clubhouse A is the building nearest the street corner.

Holiday City Amateur Radio Club
Toms River, New Jersey
Web Site www.hcarc.us

President	Doug Poray	KC2TZC	732-928-2316
Vice President	Steve Jackson	N2WLH	732-255-7916
Secretary	John Perry	KD2NDY	732-349-2705
Treasurer	Larry Puccio	K2QDY	732-349-2950
Executive Board	Carl Lee	W2PTZ	732-575-7558
Executive Board	John Roberts	KQ4WR	732-350-1162
W2HC Trustee	Larry Puccio	K2QDY	732-349-2950

<u>Membership</u> is open to all interested persons. Ham license is not required. Dues are $25.00 per year, payable Jan 1st. Members joining during the year will have the dues prorated. Family membership $30.00 per family.

<u>Meetings</u> are held at 7:00 pm on the first Thursday of every month except December.

<u>Location:</u> Meeting Room #1 in Holiday City South Clubhouse.

<u>Directions</u>: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Turn into the parking lot from Santiago Drive and park near the pool. EnterBuilding A (the building nearest the street intersection}.

<u>Newsletter</u>: The SKYHOOK is the HCARC's official newsletter, circulation about 75. Original articles and photos are appreciated. Editor is John Roberts, KQ4WR, 732-350-1162.

Finally, Mike – K2MDW, exhibited his Go-Kit project that he just finished building for N2XW.

Mike wanted to experiment with composite materials and build a box similar to the commercial IPortable boxes. N2XW wanted his Yaesu FT-991A enclosed and Mike did a fine job! The edges and finish are perfect. Mike is working on a second box for himself.

73 de WX2NJ

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

Our License Exam Sessions

At our June 7th VE session, we had one candidate. He passed the Technician grade test and indicated he would be joining our club at the July meeting. The VEs in attendance were John Roberts, Steve Jackson Michael Larkins and Larry Puccio.

Our next VE session is scheduled for Wednesday, July 12th in the Holiday City South Clubhouse, Building A, Conference room at 7:00 PM. Appointments are required. Contact Larry Puccio 732 349-2950 for an appointment.

If you know someone who wants to get a "ham" license, or you want to upgrade yours, we can help.

Just contact Larry Puccio K2QDY (see below) for information.

HCARC Visits InfoAge

by Doug Poray

On June 21, club members visited the InfoAge Science and Technology Museum in Wall Twp. NJ.


The highlight of the trip was a tour of the Radio Technology Museum. Exhibits and artifacts from the early days of radio featuring equipment used by Marconi were viewed with awe. This venue was the first transmitting site used by Marconi to demonstrate the feasibility of wireless communication.

From there the experience continued to viewing radio history from the 1920's up to the present day.
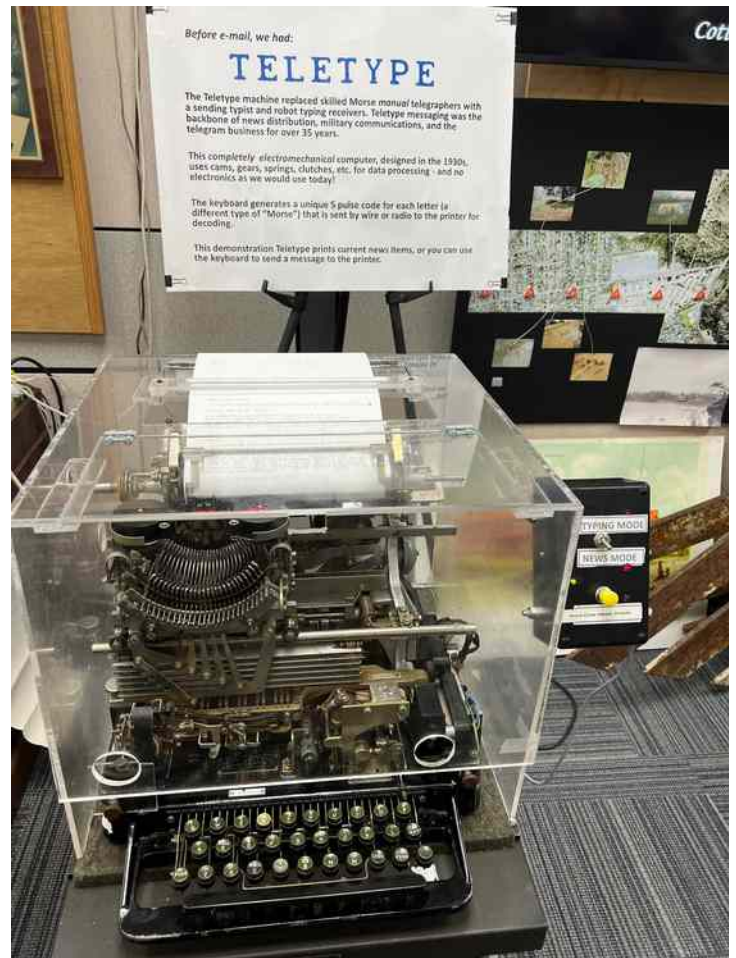
Most notable were the advances made in television

and telephone equipment technology.

From this point the members went to the Vintage Computer Exhibit where the birth of the digital age was demonstrated. Early analog computers up to the latest personal computers were on display.

Even though we were tired from walking, the trip was enjoyable for everyone.

-Doug Poray

The amazing aspect of this tour was the comparison in size from the early main frames (which occupied an entire room) to the modern data processing machines which can reside on a desk or even be held in your hand.

Our final excursion was to the Model Railroad Museum. There we saw multiple working model train layouts and a working design of a railroad from Jersey City, NJ to Wilkes Barre, PA. This design is being taken from existing structures and from photographs of the past.

Kilowatt Linear Amplifier For Sale

Larry Puccio K2QDY Worked:
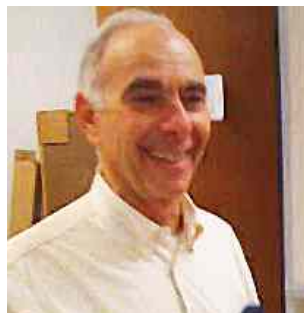
DATE	TIME	FREQ	MODE	CALLSIGN	ENTITY	LOC	MILES	DIR
4/19/2023	14:30	7.217	SSB	N2UNL	PERU, NY 12972	FN34fm	318	N
4/19/2023	14:30	7.217	SSB	W1WR	STATELINE, NV	DM08ax	2413	WNW
4/19/2023	14:30	7.217	SSB	WA1QZX	CHELMSFORD, MA	FN42hn	234	NE
4/27/2023	17:29	21.040	CW	II7LEG	Italy	JN90de	4641	NE
4/29/2023	19:37	14.020	CW	CT9/UR9IDX	Madeira Is.	KN87rb	5110	NE
5/02/2023	21:28	14.012	CW	Z3120ZD	Macedonia			
5/02/2023	21:32	14.014	CW	RP78L	European Russia			
5/28/2023	15:13	21.032	CW	UT9U	Ukraine			
5/28/2023	15:16	21.015	CW	OK7O	Czech Republic	JO70gh	4127	NE
5/28/2023	15:19	21.013	CW	UR5MW	Ukraine	KN59rb	4809	NE
5/28/2023	15:21	21.012	CW	OM3CW	Slovak Republic	JN88pa	4312	NE
5/28/2023	15:28	21.035	CW	HA7RY	Hungary	JN97op	4402	NE
5/28/2023	19:27	14.035	CW	SP5CNA	Poland	KO02ml	4300	NE
5/28/2023	19:37	14.056	CW	3Z1K	Poland	JO72ox	4069	NE
5/28/2023	23:05	14.025	CW	OL7505OL	Czech Republic			
5/30/2023	00:03	14.011	CW	GR3SVK	England			
5/30/2023	00:10	14.026	CW	4L4DX	Georgia	LN21ln	5641	NE
5/30/2023	00:16	14.021	CW	CM3OR	Cuba	EL82tw	1269	SSW

The Maidenhead Coordinate System
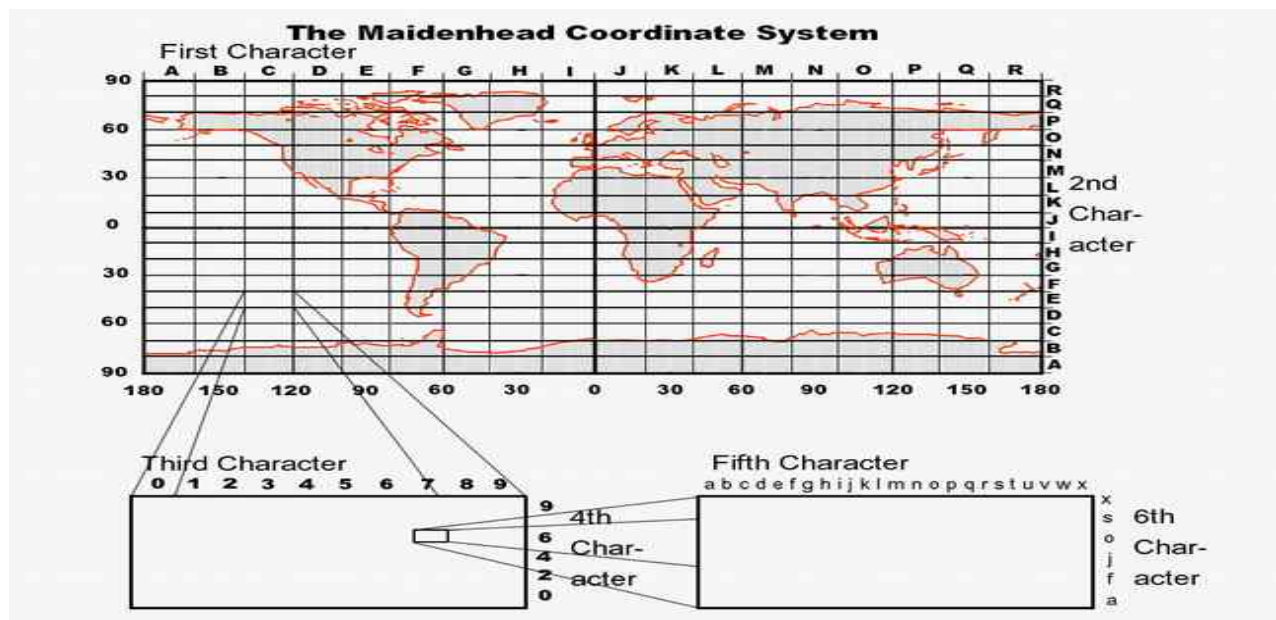
Some DX Opportunities

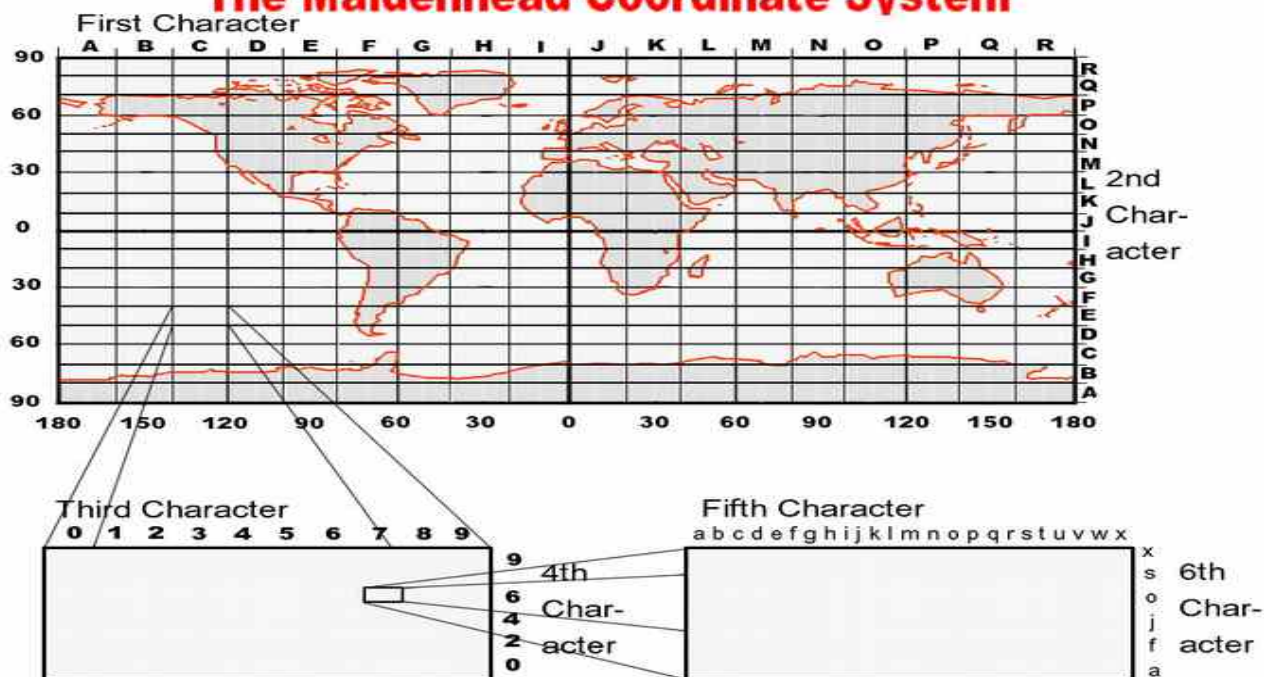Callsigns shown in alphanumeric order   *Italics if DX > 6000mi*
Mode codes: 8 = JT8, C = CW, D = Digital, J = JP4, P = PSK31, R = RTTY, S = SSB, T = SSTV.
Bands: "Low" usually means 160, 80 & 40m.
Many thanks to Bill Feidt NG3K for ADXO. Also to Wikipedia, Google Maps, the ARRL, the RSGB, DX World, The Daily DX & QRZ.com for the data.

START	FINISH	ENTITY & Ranking	PFX	CALLSIGN	IOTA	BANDS	MODES	QSL via	LOC	MILES	DIR	INFO by
	2023 Aug15	Equatorial Guinea	3C	3C3CA	AF-010	80-6m	8	TA3OM	JJ43ir	5683	E	ARLD023
2023 Jun21	2023 Jul03	Malawi	7Q	7Q7WW		160-6m	S C R	W1IE	KH66wt	7760	E	W1IE
2023 Jul11	2023 Jul18	Maldives	8Q7	8Q7HU	AS-013	40-6m		ES7DX	*MJ62jt*	*8825*	*NE*	DXWorld
2023 Aug20	2023 Sep09	DR Congo	9Q	9Q2WX		80-10m	C S D	IZ8CCW	JI75pq?	6389	E	DXW.Net
	2023 Sep30	United Arab Em.	A6	A65CW		80-6m	C 8	LoTW DL2RMC	LL74uc	6967	NE	ARLD009
2022 Decem	2023 Dec15	Antarctica	AT4	AT42I				VU2CRS	*JB59uf*	*8715*	*SSE*	ARLD055
2022 Jan01	2023 Sep30	Germany	DA	DR45HAAN				DL7DT	JO40ic	3901	NE	ARLD039
	2023 Jul14	Ethiopia	ET	ET3AA				N2OO	KJ99ia	6997	ENE	ARLD023
	2023 Aug15	St Barthelemy	FJ	FJ4WEB	NA-146	40-10m	S	K2LIO	FK87ov	1672	SSE	ARLD002
	2023 Oct25	French Polynesia	FO	FO/F6BCW	OC-067	40-6m	C S	F6EXV	BH43mg	6286	WSW	ARLD020
2023 Jun27	2023 Jul11	St Pierre & Miqu.	FP	FP/KV1J	NA-032	80-6m	C S D	LoTW	GN17tc	1019	NE	DXW.Net
	2023 Dec31	Wallis & Fortuna	FW	FW1JG	OC-054			LoTW F4CIX	AH16vq	7439	W	ARLD003
2023 Jun27	2023 Jul08	Bermuda	VP9	G4OSY/VP9	NA-005	40-6m	S c	G4OSY	FM72ph	0749	SE	DXW.Net
2023 Jun29	2023 Jul04	Guam	KH2	KH2/JA1QQU	OC-026	10-6m	8	TDDX	QK23jm	7977	NW	TDDX
2023 Jul04	2023 Jul18	American Samoa	KH8	KH8RRC	OC-045	80-6m	C S 8 4	LoTW /KB2FMH	AH45pr	7190	W	425DXN
2023 Jun25	2023 Jul05	Faroe Is	OY	OY/DC8TM	EU-018	80-10m	S 8	LoTW	IP60oa	3133	NE	DXW.Net
2023 Jun25	2023 Jul05	Faroe Is	OY	OY/DF8TS	EU-018	80-10m	S 8	LoTW	IP60oa	3133	NE	DXW.Net
2023 Jul06	2023 Jul18	Saba & St Eus.	PJ5	PJ5/PA4O	NA-145	80-6m	C S 8	ClubLog	FK87kn	1685	SSE	PA8AD
2023 Jul06	2023 Jul18	Saba & St Eus.	PJ5	PJ5/PE6Q	NA-145	80-6m	C S 8	ClubLog	FK87kn	1685	SSE	PA8AD
	2024 March	**Antarctica**	*RN*	RN1ON	AN-016		C S D	RI1ANC	*OB31km*	*9782*	*S*	ARLD052
	2023 Dec31	Turkey	TC	TC100TA				burough	KM69kv	5267	NE	ARLD003
	2023 Dec31	Turkey	TC	TC100TC				burough	KM69kw	5265	NE	ARLD003
	2023 Dec31	Turkey	TC	TC100TR				burough	KM69kv	5267	NE	ARLD003
	2023 Dec31	Turkey	TC	TC100YEAR				burough	KM69kv	5267	NE	ARLD003
2023 Jul23	2023 Aug04	Guatemala	TG4	TG4/KT8X		40-6m	C 8 s	LoTW	EK45ka	2003	SW	KT8X
	2023 Aug12	Gabon	TR	TR8CR		80-10m	C	F6AJA	JJ40rj	5871	E	ARLD023
	2025?	**Brunei**	V8	V85NPV	OC-088		C	LoTW	*OJ74fi*	*9331*	*NNW*	F5NPV
	2023 Dec31	Australia	VK	VK100ZL				burough	*QF21ev*	*10382*	*W*	ARLD016
	2023 tbd	Viet Nam	VX	VX9G		40-6m	C S	LoTW	*OK40cw*	*8922*	*N*	ARLD023
2023 Jun21	2023 Jun27	Mariana Is	WH0	WH0RU	OC-086	40-10m	C S	LoTW	JJ00ab	5391	E	DXW.Net
	2023 Sep30	Myanmar	XZ	XZ2B		15-6m	C	JH3SIF	*NK86bu*	*8467*	*N*	ARLD023
	2023 Dec31	Indonesia	YB	YB8QT	OC-210	80-10m	D S	IK2DUW	*PJ21ib*	*9366*	*NNW*	ARLD048
	2023 Dec31	Servia	YU	YU75SRV				oper instr	KN05cj	4525	NE	ARLD041
2022 Decem	2023 Dec15	Albania	ZA	ZA15K		40, 20m		oper instr	JN90sr	4675	NE	ARLD050
2023 Apr26	2023 Jul25	New Zealand	ZL	ZL100	OC-036	80-10m		ZL100	*RE78kp*	*8919*	*WSW*	DX News

The Maidenhead Coordinate System

July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5 7:30pm ARES digi net 145.170MHz ; 8:30pm ARES voice net 449.825MHz	6 **7pm HCARC MEETING See page 3**	7	8
9	10	11 License Exam session tomorrow (by appointment)	12 7:30pm ARES digi net 449.825MHz; 8:30pm ARES voice net 145.870MHz	13	14	15
16	17	18	19 7:30pm ARES digi net 145.170MHz ; 8:30pm ARES voice net 449.825MHz	20	21	22
23	24	25 HCARC Board Meeting tomorrow	26 7:30pm ARES digi net 449.825MHz; 8:30pm ARES voice net 145.870MHz	27	28	29
30	31					

Ocean Co. ARES Net Schedule

- July 5: 145.170 Digital at 7:30 PM; 449.825 ARES Voice at 8:30 PM.

- July 12: 449.825 Digital at 7:30 PM; 145.170 **Skywarn** at 8:00 PM; 145.170 ARES Voice at 8:30 PM.

- July 19: 145.170 Digital at 7:30 PM; 449.825 ARES Voice at 8:30 PM.

- July 26: 449.825 Digital at 7:30 PM; 145.170 ARES Voice at 8:30 PM.

QSO Party Information

The editor found no US State QSO Parties scheduled for July, November, December, or January.

We Thank The Following For Our News

Doug Poray KC2TZC, Bob Murdock WX2NJ, Larry Puccio K2QDY, Steve Jackson N2WLH, Bill Feidt NG3K, and the ARRL.