



*Amateur Radio Club
International Incorporated*

QUARTERLY NEWSLETTER - VOL.18 NR.2

JULY 1, 1980

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1980

PRESIDENT SPEAKS, NETS, OFFICERS AND BOARD	2
AWARDS ISSUED	3
DAYTON QRP FORUM AND MEMBERS SAY	4
APRIL QRP QSO PARTY RESULTS	5
QRP ARCI INFO	7

QRP ARCI, 9920 MUSCH RD. BRIGHTON, MICH. 48116

THE PRESIDENT SPEAKS:

I trust everyone is having a fine Summer and keeping active in QRP. Since April there have been many developments in our organization. However, the most important item I must relay to you is the Editorship. We still need an Editor to fill the unexpired term 3/1/82 or else there may not be an October N/L etc. - HELP!

Next, there is QRP-FD, where it is important to note that output is not our adopted structure. This QRP-FD will be used as an experiment in power structuring. I am hereby announcing that a "Membership Poll" will be taken, tallied and submitted to the Board who will decide the use of output or input for the club. Please send me, K8IF, a post-card with your QRP NR., Call, Name, Full or Associate and indicate input or output. The deadline for this Poll is August 1st.

I regret to inform you that, W8JKB will not continue as our Sect'y/Tres. due to health. Joe has done an outstanding job for the club, and is extremely hard to replace. I know, since I've been acting Sect'y/Tres. in the meanwhile. We are fortunate to have found K5VOL, Red Reynolds, to fill this position until 3/1/82. So, please welcome him as our new Sect'y/Tres.

Finally, there are many who have inquired about the Apr.'79 QSO Party in which there were no results. We are unable to obtain these results and must apologize for the inconvenience since nobody has been able to contact our ex-Contest Chairman/Director.

So, until October remember, Editor, Input/Output Poll and K5VOL.

73, es GL QRP
Thom, K8IF

QRP NETS:

Notice: The 80 meter Wedns. net will QSY to 7.060, Wed. 9 pm ET (0100 Z Thurs.). due to conditions on 80. Please drop in and say "HOWDY!!".

The long awaited 20 meter Net will start soon, on Sunday, July 13th, 14.060 Khz. The following schedule will be used to determine best times and participation.

July 13 - Aug. 17, 7 pm ET (2300Z)
Aug. 24 - Sep. 14, 8 pm ET (0000Z)
Sep. 21 - Oct. 19, 9 pm ET (0100Z)

Afterwards, a more permanent time will be chosen. K5VOL is starting NCS - others are invited.

Certificates: 40m #12 - K3TKS, 80m #9 - WA3ZBJ

Net Control Stations/Alternate NCS

40M. Sat. 1 pm. ET

1st wk K8KIR/K9PNG
2nd wk K5VOL/needed
3rd wk K5VOL/needed
4th wk K5VOL/needed
5th wk K5VOL/needed

40M. Wed. 9 pm ET

1st wk W2YVO/K5VOL
2nd wk WA3ZBJ/K5VOL
3rd wk W2YJR/W2YVQ
4th wk K5VOL/WA3ZBJ
5th wk K5VOL/needed

R. "Red" Reynolds
K5VOL, NM/Sec/Tres.

OFFICERS AND DIRECTORS

Thomas W. Davis - K8IF President & 9920 Musch Road Brighton, Mich. 48116	Acting Director	Harry E. Blomquist - K6JSS Founder & Director 12340 Ted Avenue Saratoga, Calif. 95070
Robert L. Jenks - K7ZVA V-Pres. & Director 11714 Masonic Road SW Tacoma, Wash. 98498		Joseph C. Szempias - W8JKB Director 2359 Woodford Street Toledo, Ohio 43605
Robert W. Reynolds - K5VOL Sect./Tres. 835 Surryse Road Lake Zurich, Ill. 60047		Robert J. Liggett - KA00 Director 1125 East 11th Street Ogallala, Nebr. 69153
Hugh F. Aieker - W8CNN Awards Mgr. 5 Keiffer Drive St. Albans, W. Va. 25177	& Director	Paul J. Smolarz - WA2HYW Director 85-17 65th Drive Rego Park, N.Y. 11374
Fielding E. Behrman - K7LNS Publicity 3425 S.E. King Road Milwaukie, Ore. 97222	Officer & Director	William W. Dickerson - WA2JOC Director 352 Crampton Drive Monroe, Mich. 48161
Edward R. Lappi - WD4L00 Contest Mgr. 203 Lynn Drive Carrboro, N.C. 27510		Robert A. Crowell - W4WOW Legal Officer 803 Oak Plaza Road Kingston, Tenn. 37765

AWARDS ISSUED

N1AOI- 2½ wt. to PY4PZ 21 mc cw 1000 mpw	WBØWIN- QRP 100 Seal #294; WAS QRPp Basic 20
KALBTI- 2½ wt. to ZL2TX 21 mc cw 3717 mpw	WAC QRP (5wt.) QRPp
KALCZF- 5 wt. to VK4VQK 21 mc cw 1980 mpw	KAØAZO- WAS QRP
W2EZ- QRP 200 Seal #97	KAØFDL- Seal for 40 States
WA2BQI- QRP 25 Basic - 2 wt. to N6OH cw 21 mc 1100 mpw	
WA2PMW- WAS QRPp 30 States	
WA2RHA- DXCC QrPp	DLIXT- WAC QRP All cw
N2AXY- WAS QRPp Basic 20 cw	SVIIW- WAC QRP All SSB
KA2AYK- 2½ wt. to I6JKW 21mc cw 1085 mpw	G4BUE- QRP 25 Basic
WB3KOZ- WAS QRPp 45 States cw, 2½wt to ZP5NW 21mc cw 1560 mpw	
N3PM- QRP 500 Seal #15	
WD4IUF- WAS QRPp all 50cw-2½wt. to YU3TAN 14mc Cw 1920 mpw	
AA4W- QRP WAC 5 wts. + 3 wts.	
KA4BCT- 2 wt. two way to WB7QQM 21mc cw 1075 mpw	
KA4DLC- 742 mW to KA8EKT 21 mc cw 1392 mpw	
KA4JBA- 2wt. to G3PIM 21mc cw 1795 mpw; 2½wt. to G3RDQ 14 mc cw 1450 mpw	
WA5TFU/Ø- WAS QRPp 30 states Seal	
WD5BUG/4- QRPp WAS ALL 50cw; 3 wt. to G3PTO 7mc cw 1433 mpw; 3wt. to P29EJ 14mc cw 3000 mpw	
WN5MBS- 1wt to ZLLZ AM 28 mc 6900 mpw; WAS QRPp All 50 with one watt.	
KB5DQ- Rcvng. SM5KAS Rng. 2wt. 21mc cw 2522 mpw	
W6RCP- QRP 25	
W6RFX- 3 wt. to OE2APM, 28mc cw 1980 mpw	
N6AI- 5wt. to PAØGE (also 5 wt.) 14mc cw 1111 mpw	
W8BAX- 2wt. to DN6FT 21 mc cw 2000 mpw	KL7FDO/M- 2½ wt to JFICEQ 21mc cw 2320 mpw
WD8IDD- WAS QRPp Basic 20 cw	VE5ADL- 2½wt. to KB6VW 21mc cw 2100 mpw
K8IF- QRP 400 Seal #22	VK3VEU- 5wt. to G4GLW 21 mc cw 3200 mpw
KA8EKT- Rcvng. KA4DLE	VK3NQ- 5wt. to G4GLW 21mc cw 3200 mpw
KA8HSL- 1wt. QSO to WD4LOE 21mc cw 1015 mpw, 1wt. QSO to K5DDJ rng. 400mW 28mc cw 3125 mpw	
WB9HPV- Seal for 40 states WAS QRPp	
WB9SBY- 350 mw to AD9X 7mc cw 1029 mpw	
WB9UOL- WAS QRPp Basic 20 + 30 cw	
WD9DUF- Wrkng VK7NRT Rng 5 wt. cw 21 mc 1880 mpw	

QRP Forum: Dayton, 1980

The QRP Forum at Dayton was attended by 54 Amateurs with guest speakers: WA2JOC, speaking on QRP DX Techniques; K5VOL, speaking on QRP Nets & Operating; WØXI, Speaking on QRP construction & VMOS & K8IF, speaking on QRP ARCI & Awards Program. WA3ZBJ was presented with the QRP Net Certificate by Nets Manager, K5VOL. An Open Forum was held after the presentations where questions were answered and comments from club members on QRP ARCI were discussed. In attendance were the following members: WD8DWQ, WB9QPS, K8BX, WA3ZBJ, K4JO, WA8VPD, WD8QAJ, KA3CZI, WD8KPM, WB8OWM, WD8OJC, WD8MFP, VE1ABU, K9PNG, K5VOL, WA2JOC & K8IF. A special thanks to all for making the Forum interesting and successful!

Members Say:

Enclosed is my check for the biggest bargain in my budget. I can't believe how much enjoyment I get with QRP QSO's, QRP Nets; good friends, etc. I wish our club sold cars!-WA3ZBJ

Dear Mr. President, I would like to formally propose by way of a motion, that the QRP ARCI initiate a WAC QRPp Awards Program, complete with certificate. I feel this would generate much interest in QRPp DXing. - WB8OWM (Editor: QRPp WAC was approved 5/31/80).

Enjoyed the contest, as usual, and I'm very happy to see that the QRP FD Contest in July will allow the use of power output which I think is definitely the way to go. I'll be the first to admit that a "choked down" big rig isn't nearly the fun of a small rig that puts out a couple of watts on its best day - but it does give a lot more people a chance to have some fun and (in my own case) perhaps to work some of the bands which the home-brew rig doesn't cover. - W1JUM.

Somewhere I had an application for the QRP ARC, but I filed it in a secret place and can't unravel the mystery of its whereabouts! I have been operating QRP since June '79 using an HW8. Operate mostly 20m cw with a single wire fed inverted U draped across my townhouse terminating at ground potential behind an azalea bush in my front yard, and a tulip bed in the rear. This reactive contraption is fed through an L-network that nicely fools my HW8 into thinking it's a 50 ohm resistor. My WAS total is 37 confirmed and 3 others somewhere in the mailman's pouch - KA4JBA.

About 3-4 years ago I saw a book advertised by the Ham Radio Bookstore on QRP Transmitters. The title was "low Powered Solid State Transmitters". Could anyone in the membership help me by giving me some leads on how to secure this book, or if the book is any good in the first place? I run an HW8 exclusively. My antenna is a 30 ft. wire to a raingutter, and even though it came down and was buried in 2 in. of snow, I worked Wisc. with a 5X6 & 5X9 - I never cease to be amazed! - WDØEGC.

I have a modification for the HW-8. I know that QST had an article on QSK, but I think I have an easier way. The QST piece ended up with clicks and they had to use back to back diodes to stop the clicks. I think that they changed the keying characteristics of the rig. Normally, the relay will follow keying but the receive muting is fixed. If you replace the .1 small uf C39 with a .01 uf, the muting will be quickened and you can control the delay with the relay pot. Several hams here in Dallas are using this modification and it works very well. The relays are holding up also.-KG5F

I could not resist your offer for some more opinions on the input vs output power level measurement. Myself I would go for the output method. I have been running an SB104 for three years. When I went QRP about a year ago I became curious to know the input power of this rig when in the QRP mode. Heathkit lists all power levels in this rig as minimum output 100 watts, 1 watt etc. In order to measure the input power on my own I would have had to almost dismantle the driver circuit board. I decided I did not want to do this and I'm sure other solid state rigs would present about the same degree of difficulty to measure. I later wrote to Heathkit and found out that the input was 4.9 watts in the QRP mode. The point is that I just do not want to tear a rig apart to find this out on my own.-WBØWIW.

RESULTS OF APRIL 1980
QRP CONTEST

STATE/ PROV./ COUNTRY	CALL SIGN	BANDS USED	RIG DETAILS/POWER INPUT	POINTS	S-P-C	TOTAL PTS
AL	K4JXS	40M	Homebrew Tx/Drake SPR-4 Rx/440mw	69	16	5,520
AR	AD5F	80-15M	Triton IV/100W	116	28	3,248
→ CA	WA6PCC	40-10M	TS-120V/modified to 4W	359	81	87,237
	W6SRQ	15-10M	Argonaut/5W	129	18	8,766
	N6YD	15-10M	HT-46/HQ-129X/Modified to 900mw	68	20	6,800
	KA6IZQ	40-10M	Argonaut/5W (NOVICE)	78	29	6,786
	KB6CQ	15M	HW-16/35-90W	77	23	2,656.5
	WA6EKJ	80,40,10M	????/5W	61	17	2,074
	K6URI	15-10M	Kenwood TS-120S/Reduced to 40W	45	14	945
CO	WB0QQW	40-10M	Argonaut/5W	151	37	16,761
	WB0OKY	20-10M	Argonaut/5W	103	30	9,276
	W0IFO	15M	HW-8/3W	88	23	6,072
	W0JF	40-10M	Argonaut/5W/Homebrew/3W	45	16	2,160
	AB0G	40-20M	HW-8/3W	35	12	1,260
	WD0EGC	20-15M	HW-8/3W	20	8	480
CT	WA1TRY	40-10M	Homebrew/HW-8/CB/800mw/750mw/400mw	150	38	33,500
	AI1Y	40-20M	HW-8/2W	84	18	4,436
DE	KA3CDB	40-15M	Yaesu FT-7/40W (NOVICE)	30	13	585
FL	WA4PHM	80-10M	FT-301S/20W	282	62	34,968
	K9BCT/4	20-15M	HW-8/2W	129	28	10,836
	WA9WZV/4	20-15M	HW-8/3W	116	31	10,788
	W4QN	20-15M	HW-8/3W	112	32	10,752
GA	AA4RF	80-20M	????/20W	241	52	25,064
	WD4DSS	40-15M	Century 21/Modified to 5W	97	31	9,021
	WD4KJF	40-15M	HW-8/3W	94	26	7,332
→ IL	WB9HPV	40-10M	Argonaut/5W	343	69	71,001
	WB9WOM	80-10M	Argonaut/5W	266	61	48,678
	K5VOL	80-15M	Argonaut/5W	291	55	48,015
	KB9KU	40-10M	Argonaut/5W	180	43	23,220
	WD9EGW	40-15M	Argonaut/5W	103	31	9,579
	WB9WBB	40-20M	TenTec 540/90W	124	37	6,682
→ IN	W4JKC/9	80-15M	HW-8/3W	360	69	74,520
	KA9GJV	80,40,15M	Heath Apache/HQ-145A/95W	140	44	9,240
IA	WB0URA	80-15M	Argonaut/5W/Tuna TinII/350mw	272	61	48,708
KY	WD4IVF	40-15M	HW-8/3W	97	29	8,439
	WD4FXX	20-10M	Argonaut/5W	116	13	4,524
IA	AB5N	15M	Argonaut/5W	35	9	945
ME	WB2GNX	40-15M	HW-8/3W	167	36	18,036
	WA2POZ	80-10M	Argonaut/5W	161	31	14,973
MD	N3PM	80-20M	T3XB/R4B/TR-7/100W	425	69	29,325
	WA3FNK	40-10M	Argonaut/HW-8/5W/3W	164	41	20,172
	K3TRK	80-15M	Argonaut/5W	139	32	13,344
	K3CXB	40-15M	HW-8/3W	91	22	6,006
MA	W1PWK	40-10M	Argonaut/5W	195	46	26,910
	AD1C	40,20-10M	Homebrew/20W/Homebrew Rx	195	46	17,940
	K1VV	40-15M	Yaesu FT-7/20W	253	34	17,004
	AA1P	80-10M	Argonaut/5W	128	35	13,440
	WB1HGA	40-15M	HW-8/3W	34	12	1,224
	K1VUT	40M	Tuna TinII/450mw/TS-520S as Rx	6	2	60
MI	WD8MFP	40-10M	Yaesu FT-301S/20W	399	60	47,880
	K8IF	80-10M	Homebrew/25W	216	45	19,840
	K8KPM	40-10M	Century 21/50W	100	29	4,350
	WA8W0Z	40-15M	HW-7/3W	58	22	3,828
	WA8EYL	20-15M	????/25-100W	90	28	3,780
	KA8DFJ	80,40,15M	HW-8/3W (NOVICE)	44	18	2,376
	K8BX	40-20M	OMNI-D/Reduced to 25W	28	10	560
	N8LA	80-20M	No Rig/Pwr details-Disqualified	85	29	Used as check 1
MN	KB0W	80-15M	Argonaut/5W	281	62	52,266
	W0FL	15M	Homebrew-2N3866PA/650mw	39	9	1,755

MO	WB0WIW	80-10M	SB-104/5W	321	61	58,743
	N0IT	80-15M	Argonaut/5W	117	34	11,934
	K0TBB	40-15M	Swan 270B/80W	121	34	6,171
MT	KL7FDQ/7	20-15M	HW-8/3W	28	9	756
NE	KA00	40-15M	Triton 540/50W	128	33	6,336
NV	KA7DVR	40-15M	Yaesu FT-301/100W	122	31	5,673
NJ	WA2GTJ	80-10M	Argonaut/5W	247	53	39,273
	WB2DGJ	80-15M	HW-8/3W	171	43	22,059
	WA2PIP	80-15M	EICO 720/25W/Lafytt HA-500 Rx	195	40	15,600
	W2AXZ	40-15M	HW-8/3W	134	38	15,276
	W2JEK	40-15M	HW-8/3W	9	4	108
NM	W5VBO	40-15M	Argonaut/5W	272	47	38,352
	KB5DQ	15M	HW-8/3W/Drake SPR-4 Rx	61	17	3,111
NY	W2EZ	80-10M	DX-60/90W	467	80	56,040
	WA2KSM	80-10M	Argonaut/5W	194	45	26,190
	KA2EAO	40-10M	Century 21/50W	159	37	8,824.5
	WA2PLR	40-20M	HW-8/3W	11	4	132
NC	W4OMW	80-10M	Atlas 350-XL/Reduced to 50W	261	66	25,839
	N4BYJ	40-25M	HW-8 + Amp/5W	102	31	9,486
	WD4LOO	80-15M	HW-8/3W (Contest Chairman)	55	18	2,970
	N4JO	40-10M	OMNI-D/Reduced to 20W	69	18	2,484
ND	KB0L	40-15M	Century 21/Reduced to 20W	116	34	7,888
	WB0FDJ	40-10M	Argonaut/5W	98	26	7,644
	WA5TFU/0	40-15M	HW-8/3W	94	26	7,332
OH	W8AC	40-15M	Argonaut/5W Solar Charged Batteries	119	27	9,639
	WD8IWM	40-20M	HW-8/3W	94	24	6,768
OR	WA7ZBL	80-10M	Argonaut/5W	153	19	8,721
	K7LNS	15M	Int'l Ztal + PAX 1/200mw/RME 4350A Rx	3	1	15
PA	WB3FLK	40M	Yaesu FT-101EE/Reduced to 4W	218	35	22,090
	W3TS	40-15M	Argonaut/5W, 41W for 12 QSO's	166	41	14,772
	KA3DBO	80-10M	Argonaut/5W	66	24	4,755
	WB3DKD	80,15-10M	Heath 104A/2W	38	6	684
RI	KA1EGX	15M	Kenwood TS-520SE/160W (TECH)	32	10	320
TN	K3EXC	80-10M	Argonaut/5W	229	54	37,098
TX	N5QQ	80-10M	Argonaut/4W	348	63	65,772
	LOW POWER - KASBYF	10M	Yaesu FT-101E-No Finals/41W - SSB	179	17	15,215 ←
	W5BWF	40-15M	HW-8/3W	163	31	15,159
	K5SN	20-15M	HW-8/3W	69	21	4,347
UT	N7ARE	40-10M	Argonaut/5W	261	30	23,490
VA	W4RMS	80-10M	HW-8/Heath Cheyenne/3W	146	45	19,710
	KA4JBA	40-15M	HW-8/3W	97	26	7,566
	WD4ILU	40M	MFJ QRP/750mw/Nat'l HRO 60 Rx	19	6	570
WA	AA7O	40-15M	Argonaut/5W	123	23	8,487
	WB7FAH	20-15M	Argonaut/5W	73	23	5,037
	WB7RMQ	15M	Argonaut/5W	63	19	3,591
	K7LYT	40-6M	SB-104/ICOM IC-551/1W	27	10	810
	W7DRA	40M	Classic Rig 3Q5 Xtal osc/RBC-5/3.2W	3	1	9
WVa	WB8CNN	80-10M	Century 21/50W	298	64	28,608
	WB8BSB	40M	KW-7/3W	40	9	1,053
WI	WB7QJV/9	80-10M	HW-100/100W	554	89	49,306
	N9JW	80-10M	Argonaut/5W	188	47	26,508
	K9GDF	???????	NCX-5/9W	119	25	4,463
ALTA	VE6TR	80-10M	Argonaut/5W	107	39	12,519
B.C.	VE7EN	80-15M	HW-8/3W	60	17	3,060
	VE7ARR	80-15M	HW-8/3W	16	8	384
N.S.	VE1BQQ	40-15M	HW-8/3W	162	37	17,982
CNT	VE3BDV	80-40M	TS520S/10W	30	11	660
SASK	VE5AAD	40-20M	HW-8/3W	137	29	11,946
HK**	G4BUE	20-10M	Argonaut/5W	139	46	19,946
PUERTO**						
RICO**	KP4DJ	15M	Argonaut/5W	140	29	12,180

ITEMS AVAILABLE FROM SECRETARY-TREASURER

Membership List: 50¢ each or (4) Fifteen cent stamps
Club History: Original copy, \$1.00 postpaid, Supplements #1- #2 @50¢ ea. DX extra
Club By-Laws: Stamped, self-addressed envelope (15¢)
Back Issues of N/L: 60¢ each or (4) Fifteen cent stamps, DX extra.

DX MEMBERSHIPS

New memberships for DX prospects is \$4.00 in American money and renewals for DX members is \$3.00 per year in American money. IRC's may be substituted for American money at the rate of 20 cents (American) per IRC. No checks or money orders will be accepted from DX subscribers. Canadian rates are same as American rate.

QRP FREQUENCIES:

CW: 1.810, 3.560, 7.060, 14.060, 21.060, 28.060 and 50.360 MHz.
Phone: 1.810, 3.985, 7.285, 14.385, 21.305, 28.885, and 50.385 MHz.
Novice: 3.710, 7.110, 21.110, and 28.110 MHz.

MONTHLY QSO PARTY:

The first Sunday of each month beginning at approximately 1500 UTC and ending at 0300 UTC Monday. (All QRP FREQ.).

QRP ARC INT'L INC. QUARTERLY NEWSLETTER SUBSCRIPTION RENEWAL
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NAME: _____ CALL: _____ QRP.NO. _____

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CITY: _____ STATE: _____ ZIP: _____

Remittance due by the 15th previous to Jan. 1, April 1, July 1, October 1, for continuous subscription.

QRP ARCI MEMBERSHIP BALLOT

TO: ALL FULL MEMBERS OF QRP ARCI
FROM: KB1F, PRESIDENT OF QRP ARCI
SUBJECT: BOARD ELECTIONS

The following members of QRP ARCI have been nominated to serve on the Board of Directors.

Donald J. McBride - WA3ZBJ term expires March 1st, 1983
155 Autumn Drive
Trafford, Pa. 15085

Edward R. Lappi - WD4L00 term expires March 1st, 1983
203 Lynn Drive
Carrboro, N.C. 27510

Each member (Full) voting, must put his ballot in a sealed envelope along with sending envelope. Or mark "Ballot" if using the sending envelope, on the outside. Indicate QRP NR, CALL, and NAME. Ballots must be returned in Sealed Envelope to be Valid, by Aug. 1st, 1980, to: Robert W. Reynolds - Secty/Tres., 835 Surryse Rd., Lake Zurich, Il. 60047.



9920 MUSCH ROAD
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