

indeport

# PACK RATS

# CHESS AND THE PROPERTY OF THE



MT. AIRY V.H.F. RADIO CLUB, INC., PHILA., PA. (50.2, 145.2, 221.4, 432.3 & 1296.3 MC.)

nego de **Club<sup>i</sup> CALL: W3CCX** 

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

MEMBER CLUB: DELAWARE VALLEY COUNCIL OF AMATEUR RADIO CLUBS

MEETING NOTICES: LAST PAGE

.0256

VOLUME XI

/m20 14020

NOVEMBER 1968

NUMBER 13



For the first time in a good many years the amount of material brought to a September outdoor white elephant auction was disappointing but nonetheless the material was disposed of in short order. This was more than balanced out by the hospitality of our host, W3JSD, John and his XYL Anne who had an excellent selection of goodies and refreshments waiting for the gang - these were also disposed of in short order. The club extends its thanks to John and Anne for inviting the membership to their QTH and I hope they enjoyed our company as much as we enjoyed visiting with them.

In connection with the September meeting, I would like to thank K3JJZ and his helpers for pitching in as auctioneer and the members who donated material - the sale of which helps to meet the expenses of the club.

Review of the club's expenditures for the past several years revealed a pressing need for a raise in club dues. This decision was reached by the Board of Directors after several months of discussion. While the club has many minor activities going at all times to put money into the treasury, we cannot live with this kind of financial security. The club must put itself on a sounder financial operating basis and at the same time relieve, to some degree, the members who so faithfully continue to labor on the auctions, etc., to help meet club expenses. Also, there are many acts of generosity on the part of members which help the club which are not publicized. I point these things out just to make all of you aware of the need for a raise in dues. The very fact that the cost of such things as rent, printing of CHEESE BITS, contest expenses, etc., have increased should make an increase in dues acceptable to everyone.

K3HSS, Charley

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PACK RATS' CHEESE BITS is a publication of the Mt. Airy V.H.F. Radio Club, Inc., Philadelphia, Pa., and is published monthly.

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We operate on an exchange basis with other publications and anything that is printed in CHEESE BITS may be reprinted, unless so stated, as long as the proper credit is given.

DEADLINE FOR ARTICLES IS THE 20TH OF EACH MONTH.

#### EDITOR:

PRINTER AND SUBSCRIPTION MANAGER:

K3GAS, DOC CUTLER
7815 NEW SECOND STREET

THE STREET STATES THE ASSETS THE PHILADELPHIA, PA. 19117

# STRATFORD, N.J. 08084

AT DESIGNATED LOCATIONS.

#### CODE PRACTICE:

OFFICERS - 1968-1969:

PRESIDENT: K3HSS, CHARLES LUSTICK VICE-PRES.: W3MFY, PRESTON FUNK CORRES.SEC.: W3SAO, FRANCIS BRICK REC. SEC.: W3ZPN, LLOYD SCHOENIG TREASURER: W3MVF, DAVID BLOCH

PHILADELPHIA, PA. 19111 215 - RA 5-1106

#### Page 2 ARRL BULLETINS

NR 187, September 19, 1968 The newly designed annual ARRL cross indexed Net Directory is now ready for distribution. If you have recently requested a copy it will automatically be mailed to you. All others may request their copy from the ARRL Communications Department, 225 Main Street, Newington, Connecticut 06111. Be sure to include your zip code with your return address. Please mention the call and the frequency of the station transmitting this K3JJZ, ELLIOTT WEISMAN bulletin AR

8533 ALGON AVENUE
PHILADELPHIA, PA. 19152

NR 188, September 26, 1968
The United States has concluded TRUSTEE OF CLUB CALL: W3CCX a reciprocal operating agreement with the Barbados. Amateurs of one country visiting or residing 821 W. LINDLEY AVENUE in the other may obtain permis-PHILADELPHIA, PA. 19141 sion to operate their own amateur 215 - DA 4-7524 stations there. This new agree-

PHILADELPHIA, PA. 19117

215 - ME 5-1078

AWARDS CHAIRMAN:

W2EIF, JOSEPH KILGORE

#5 SUNNYBROOK COURT

PHILADELPHIA, PA. 19117

NR 190, October 10, 1968

Concurrent with the October 27

shift to standard time through—
out the country, WlAW will adopt
new code practice and bulletin
frequencies. The new channels will be easy to remember at 20 birectors' Meetings are Held on or segment edge. Effective october 27, Wlaw code practice and code bulletins will take place on 1820 3520 7020 14020 21020 28020 50020 and 144120 CODE PRACTICE:

7:00 TO 7:30 P.M. MONDAY THROUGH
FRIDAY, 50.2 MC BY K3ZPN, LLOYD
SCHOENIG.

MONDAY NIGHT NETS:

145.2 - 7:30 P.M.

10:00 P.M.

21020 28020 50020 and 144120
kiloHertz. WlAW voice bulletins
will be transmitted on 1820 3820
7220 14220 21270 28520 50120 and
144120 kiloHertz. Regular contacts will continue to take place
on current WlAW frequencies. Full
details on the change will appear
21.4 - 9:30 P.M.

21020 28020 50020 and 144120
kiloHertz. WlAW voice bulletins
will be transmitted on 1820 3820
7220 14220 21270 28520 50120 and
144120 kiloHertz. Regular contacts will continue to take place
on current WlAW frequencies. Full
and a second results of the change will appear
221.4 - 9:30 P.M.

> THE VALUABLE MAN From Fidelity Bulletin Submitted by R3KTY, John Tate

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

Some fellows stay right in the rut While others head the throng.

PHILADELPHIA COUNTY ARPSC:

E.C.: W3PST, WOODY HALDEMAN

1732 LONEY STREET

When the smoke has of life"

But when their whines begin,

We often can remind them that They "don't put nothin' in".

Anonymous

MEETINGS: FOURTH WEDNESDAY OF EACH MONTH AT 8:00 P.M.

#### PLAN FOR A HAPPY HANGOVER K3DUC, Phil Delano

It's coming...and I don't mean New Year's Eve! This year the ARRL V.H.F. Sweepstakes Contest comes early - January 4 and 5, 1969.

Will you have a happy hangover on January 6 or will you be crying about ORM, sections that you missed (but the SSB boys worked easily), equipment malfunctions and all the other failures that you could have prevented if you had started earlier to prepare for the contest. 111

Now is the time to get the shack in shape! Now is the time to make your station contest-proof! NOW!

Take a careful inventory of your station. How does it measure up against these 7 steps to contest success:

1. Band Capability

THE TOT VETTY OF	50 MC 15	144 MC	220 MC a	432 MC	: 5270	F 1
RECEIVER					1211	•
CONVERTER						
AM XMTR PWR					•	
SSB XMTR PWR						
CW XMTR DWR		* X	· / · · ·			* * *
VFO	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	(1) (OO2 1): 11 .4 Lu	7 ,05%			
ANTENNA	21 ()	1.1	<u> 18.45</u>		W	Ga.
ROTATOR	:	alad ty	the water		) <b>.</b> 	
HEIGHT	and the second s	And the second s			1	

- 2. Foot-to-talk operation

  3. Digital clock

  4. Good, clear operating space (desk)
- Comfortable environment (heat, light) TOP CHARM TO BE COME TO SEE
- 6. Spare tubes, crystals microphone
- 7. Well-rested operator on January 4

You may be able to think of other necessary items (food) for most efficient contest operation. However, if you look carefully at this list (1-8), check off what you have in your station...then work to get as many of the other items as possible in your shack before January 4, you are a sure bet to be a contest winner!

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73,

K3DUC, Phil 1969 Sweepstakes Chairman

# THE RAT CORNER WA3BIV, Carl Barish

Of the many facets of ham radio; many incorporate activities that can be enjoyed by the whole family. Participation in picnics as a family outing is commonplace; however, the family will enjoy some of the other ham outings as well. For instance, take the kids on the next transmitter hunt and give them the job of setting up the antenna for each fix. It will keep them busy and help find the transmitter. Keeper of the maps and looking for landmarks and other hunters is perfect for the XYL.

#### THE RAT CORNER (Continued)

The next antenna measuring party can include a gathering of XYL's. Besides helping with the refreshments, what woman would give up the chance to "talk shop" with others in the same situation. If they get a card game going, it may turn into a regular affair.

When a speaker travels a great distance to a Pack Rat meeting, one of the nicest gestures is to invite him to bring his XYL. A premeeting dinner at a restaurant with prominent club members and their XYL's will put all at ease and the women can plan an activity for themselves while the meeting is going on.

Sometime mention to your teenage daughter the abundance of teenage boys at a hamfest and be prepared to hear, "When's the next hamfest out."

Dad?". And wait until the junior op hears that W3whatiscall has a daughter of the same age. There's a perfect spot for a matchmaking XYL.

Oh, incidently, there may even be some interesting activity for the ham of the family.....

73, WA3BIV, Carl

# THE BOOK RACK K3WEU, Paul R. Behrmann \*AREA

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One of our retired members, Jay O. Achenback, W3QB, wrote the letter quoted below...this request along with many others prompts the publication of this column on a regular basis.

## "Dear Paul:

I am most interested in your Book Review Program. Unfortunately, I cannot listen to the "on the air" review and would like to suggest a technical monthly review in CHEESE BITS. I have purchased many desirable publications from the Book Review and feel quite confident that your Reviews would be most informing." Signed Jay O. Achenbach

Many thanks Jay...we'll be doing this column regularly and to satisfy all tastes, including the XYL...we'll be reviewing non-technical books as well. Joe Kilgore, W2EIF, will have done an on the air review by the time you read this but, we feel that whether you heard it or not you will be interested in seeing the printed review.

Title: TRANSISTOR CIRCUIT GUIDEBOOK (TAB BOOK #470), Author: Byron G. Wels, Price: \$4.95 paper \$6.95 hardbound, Pages: 224, 13 Sections, 104 Circuits

Here's a handy reference and guide to all types of solid-state circuits how they work, where they are used, unusual features, etc. Amateurs
and hobbyists will find many made-to-order circuits for the ham shack
and home. In fact, regardless of a reader's niche in the world of
electronics he will find this collection of transistor and solid-state
circuits of value.

This is not a primer on the solid state art since it also includes a collection of both basic and advanced circuits covering the principal fields of electronics. Each circuit is accompanied by a brief description of how it works, with notations of unusual features and applications. Part lists, component specifications, coil data, etc., are also included for the home-brew devotee. This big collection of 104 circuits includes AM/FM tuners and receivers which use transistors, FET's, and MOS FET's and mplifiers for stereo, telephone, PA...timers, time delays, temperature indicaters, grid dip escillators, special signal generators, power and speed controls, servo controls, heat controls, light flasher, SCR light switches and dimmers, light activated switch, transceiver, wireless phone oscillator, sonobuoy transmitter, marine band xmtr, freq. doubler, FET VFO, linear RF amplifier,

#### THE BOOK RACK (Continued)

stereo balancer, intercom system, audio mixer, BFO, short wave converter, inverters noise limiter, auto transistored ignition system, battery charger, differential amplifiers, shift register or ring counter, bistable multivibrator, decimal counter...power converters, electronic flash and a complete color TV receiver circuit and parts list. And, of course, much more.

Some of the upcoming books to be reviewed on/or off the air will also include: The Executioners (The Story of SMERSH...a true story, not a 007 mystery) by Ronald Seth; Electronics Hobbyist's IC Projects Handbook; FET Applications Handbook, Working with the Oscilloscope (a dandy!); Handbook of Semicinductors Circuits; One Thousand Inspirational Things; The Popular Mechanics Home Book of Electrical Wiring and Repair.

Of one fact you may be sure...there will be books of interest to everyone...check in the NET...but listen to the weekly reviews...and read this column each month.

> 73, K3WEU, Paul

#### SEPTEMBER TRANSMITTER HUNT W3CJU, Don Hampton

The fifth transmitter hunt of the Mount Airy V.H.F. Radio Club was held on Sunday, September 29, 1968 from 1 to 3 p.m. As on all of our transmitter hunts, an audio tone was on the air from 1 to 3 p.m. on 145.2 and 50.4 mc. with identification at the beginning of, and every ten minutes during, the hunt with a talk in at the end at 3 p.m.

The location for this hunt was about two miles southeast of Furlong, Pennsylvania. The transmitters were hidden on the grounds of the Bonnie Brook Farm, a riding academy where my youngest daughter keeps her four-legged friend.

The chief hider this time was Walt, K3BPP, with assistance from yours truly, Don, W3CJU, and friend, Lew, W3CLE. The rigs were hidden in a small patch of overgrowth near the show ring. This gave the hiders a chance to watch the horses jump and the riders tumble!

To get to the farm, there was only one lane, and this was a couple of hundred yards long. From there on in, it was by foot. Since it was not possible to see the road from the hidden location, I acted as look-out near the stables. In forty-five minutes, our Pack Rat and master snooper, old K3UJD, Mario, was coming down the drive, left hand on the steering wheel and right hand on the beam antenna. Since it has been such a dry summer, there was a cloud of dust behind him. At the end of the lane near the barn, he was fastafoot and minutes later, we were found by the old two-meter snooper.

From here on, we didn't see, hear, or smell anyone, except the horses. At 2:50 p.m., the two-meter inverter gave up, so we quickly took the rig to the Tack Room for good old AC, commercial, that is. Note... Tack Room is where horse people keep the horse gear, saddles and such.

There, we got back on two and soon had El, K3JJZ, asking for our location. El had been all around us, but just didn't find the right drive. Also, he had a car in "tow", W3CL, the greatest hunter of all. Harry hunts without a receiver - just don't know how he does it! Anyway, we talked El, the XYL, and his two children in, together with his ever-lovin' tail, W3CL.

Thanks to Walt, K3BPP, for another good hunt, and also thanks to the hunters. Come on fellows, let's make this next hunt the best. Mario, K3UJD, is the Rabbit!

Page 6

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counter

"" PROPOSED AMENDMENTSUTO THE CONSTITUTION, TARGET OF OF THE MT. AIRY V. HIPS RADIO CLUB, INC. so redespen - Submitted: Bymk3IUV

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#### ARTICLES III Section 4

.h more. (4) Each membership application shall be submitted at From: (4) Each membership application share an regular meeting of this club; Unaminous consent of 10 all members present shall be necessary for approval of any prospective members A minimum of ten (10) members quosal shall constitute a quorum for consideration of applicagenI bd tions.

diri (4) In order to be eligible for a vote, each membership To: application shall have been read at a previous regular meeting of this club, and the prospective member's name shall have been advertised in the club paper. The vote 0.5 shall be taken by written ballot, and unaminous consent of all members voting shall be necessary for approval of any prospective member.

#### ARTICLE III, Section 5, Part 1

Member - He shall meet all the requirements of From: membership as prescribed in the Constitution.

Member - He shall meet all the requirements of To: membership asteprescribed in the Constitution, drift of and shall pay the full regular dues.

#### ARTICLE III, Section 5, Partic2 3. allk 1

11.

..... A retired member will pay \$3.00 a year From: dues and will. and one of

and alone in

.... A retired member will pay one half of the regular yearly dues and .....

#### 4. ARTICLE III, Section 5, Part 3

and white it is also that the state of the s ..... A student member will pay \$1.00 a year dues and ....

....... A student member will pay one fourth of your To: the regular, yearly, dues and .... ron the bloden

#### ARTICLE VIII, MEETINGS: Add New Sections 3 and 4 as Shown Below: ning down th

- Unless otherwise mindicated, a quorum for conducting normal business shall consist of 30% of the regular members.
- The rules contained in "Robert's Rules of Order" shall 6. govern the club in all cases to which they are applicable, and in which other lare not inconsistent with the Constitution and By-bawa months special rules of order of this club. When required, the presiding officer may override "Robert's Rules of Order".

The above amendments are offered to clarify and update the Constitution.

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黄 香 ★ 南州南山南山南 南 南 Dropped from Membership - K3BGT/2, Harvey Rosen; WB2EEH, Joseph Raffo; of od admid osla bis cantwork WB3KLL; Walter Cleary 18.888

From Active to Retired Membership K2RTH, Bruce Sternstein New Member - WA3JSR, Ben Ginsburg - XYL Esther

5228 Westford Road, Phila., Pa. - DA 9-6457

### SWAP SHOP

Conducted By: W3ZRR, Ray Whitehead 4534 N. Smedley St. Phila., Pa. 19140 215 - 324-5910

FOR SALE

- Eico AM-FM Stereo Tuner Amplifier, phono and tape inputs, walnut case Best Offer

- Zenith Portable TV \$25.00

- Custom Made 48" Walnut Veneered Cabinet Containing Harmon Kardon AM-FM Tuner Amplifier, 24" TV with Dumont Tuner, Webcor Phonograph Best Offer Over \$50.00 CONTACT: K3GAS, Doc Cutler

7815 New Second Street
Philadelphia, Pa.
ME 5-1078

FOR SALE

- 220 MC Antenna, 44 Elements \$25.00

- 220 MC Transmitter, 4X250 Final with modulator and power supply \$40.00

- LM 19 Frequency Meter \$30.00

- Miscellaneous Teletype Gear CONTACT: W3ZTL, Miles Groce 1010 Sydney Street Philadelphia, Pa. 19150 247-9260

FOR SALE OR TRADE

- Telrex 4-EL Antenna 6-Meters (needs insulator)

ARC Fully Converted - no power supply

- HT-40 Mint Condition WANTED

- Repairs for my 5 KW Generator (for cash or swap)

- Tower Section to handle 2" Mast

- Working 220 Transceiver (have R-48 and non-working transmitter) CONTACT: K3WEU, Paul R. Behrmann 5101 Wynnefield Avenue

5101 Wynnefield Avenue
Philadelphia, Pa.
877-0562

FOR SALE

- NC155 RCVR Hambands and 6M

- HB 6M Transmitter with VFO 6146 Final

- HB 2M Transmitter with VFO 829B Final
- HB Modulator for above pair 807

- 2M Receiver ARC-5

- 35 FT Windmill Type Tower all aluminum angle 1 1/2 FT on side 1/4" thick
- AR22 Rotor
- 2 HB 6 Element Beams

- Assorted Junk

CONTACT: W3BRU, Frank Benner
523 Vine Street
Perkasie, Pa.
215 - 257-2450

# Page 7 SWAP SHOP (Continued)

WANTED - Will Buy or Borrow
- Cushcraft "Big Wheel" Antenna
220 MHZ

- 24 PIN Power Plug from Comco Transceiver

CONTACT: K3JJZ, Elliott Weisman 8533 Algon Avenue Philadelphia, Pa. 19152 PI 2-3525

WANTED - For Donation to the Club
- Used Tape Recorder or Tape Deck
for Code Practice Broadcasts
CONTACT: K3ZPN, Lloyd Schoenig
Red Lion Road
Philadelphia, Pa. 19114
NE 7-4163

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

#### DID YOU KNOW

Existing Net control stations are looking to appoint permanent alternates in the event that they are unable to conduct the nets as scheduled. If you are interested please contact:

W3CL, Harry Stein - 6 Meters

W2EIF, Jo Kilgore - 2 Meters

K3GAS, Doc Cutler - 220 MHZ

K3IUV, Bert Soltoff - 432 MHZ

W3CJU, Don Hampton, received his certificate of merit for Armed

W3CJU, Don Hampton, received his certificate of merit for Armed Forces Day 1968. He copied the Secretary of Defense radioeletype message at 60 WPM.

In this issue of CHEESE BITS there appears a proposed constitutional amendment. Please read it carefully. This amendment will be voted on at the next regular meeting.

Among the faces present at the last meeting were the following who have been missed for quite some time:

W3GXB, Bob Fox, of 2 meter fame, W3AJF, Horace Deacon, of Triode fame and W3ZTL, Miles Groce, of Zookeeping fame.

The motion to increase dues for 1969 from \$6.00 to \$8.00 per year was passed at the October meeting. There were 38 of a possible 47 affirmative votes.

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

#### MEETING NOTICES

The next DIRECTORS MEETING will be held on Wednesday, November 13, at the QTH of W3KKN, Ernie Kenas, 2823 Old Welsh Road, Willow Grove, Pa. at 8 p.m.

The next GENERAL MEETING will be held on Wednesday, November 21 at 8 p.m. at the West Oak Lane Jewish Community Center, Sedgewick and Thouron Streets. Topic will be Homebrew Night - Pres Funk, W3MFY, of Hamtronics will donate "The V.H.F. Handbook" to the project voted best by a panel of three judges.

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	K3ACR		Rich	6		K3IGX		Dick	<b>(6)</b>	
	K2A FT	R.		6		W3IHT	Ř.	Doc	6-2	
	WIAJF	-	Horace	6-2-220		A3IMT		Dick	6-2	
	K3ALK	ħ.	_	6-2	W	B2IOE		Lou		-1296
	K3AUH	,,,	Alan	6-2-220		K3IPM		Stan	6+2+220+432	
	WXASW		Jack	<b>6</b> -2-220		w3Isv		Sy1	6	
	W3BAH		Ham 🔀	6-2		K3IUV		Bert	6-2-220-432	
	кзвнк	R	_	6-2		W3IXL	e.	Ellis	\$	
	WA3BIV		Carl	6-2-220		K3JJO		Wally	(6 <del>-</del> 2)	
	K3B0Y		Mike	6-2		K3JJZ		E1	6-2-220-432	
	K3BPP		Walt	6-2-220-432		MA 3JNA		Jim	6-2-220	
her.	мзвоп	7	Ham	6-2		W3JSD		John	6-2-220	
	W3BRU		Frank	6-2	W	JA 3JSR		Ben	6	
	WA 3BRV		Harry	<b>6</b> -2		w3kkn		Ernie	6+2+220	
	W3BVR	12	Ted			K3KTY		John	6-2-220	
	W3CL		Harry	6-2-220		K3KUB		Walt	(6-2)	
	WA3CAG		Dave	6-2-220		K3KVS		Jerry	6-2-220-432	
	WB2CDP		Lou	<b>67</b>		W3KXH		Jim	6	
		15	Ralph			W3LHF		Dave	6+2+220	
	W3CJU		Don	6-2+220-432		K3LNV		Elmer	6	
	W3CLQ	<u>C</u>	Walt	6-2		W2LZA		Lyman	6-2-220	
	W3CLT	P.	Doc			W3MFY		Pres	6-2-220-432	
2.3	WA3CND		Candy	(G-2)	,		R.	Jule	6	
*	WA 3CQO		Jay	6-2-220		W3MVF		Dave	6-2-220	
	W3CXU		John	(6-2-220		K3MXM	,	Lee	G-2-220	÷
سوخار	W2DIL		Frank	6.				George -	<b>⊘</b> (20)	
	K3DLS		Car1	2€220	_	K3NMN	R		6-2	
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	K3EPB	2	Howard	6-2		W3QB	R		9	
	WA 3EPS		Mort	6-2				George		
	WA 3ERQ		John	6-2-220				Bruce.~		
	***	R	Ben	6-2				Elio -		
	WA3FAA		Howard	6-2		W3SAO		Frankie	6-2-220	
	W3FGQ		Walt	6-2		W3CCX		11	6-2-220	
	K3GAS		Doc	6,2,220,432-	-1296	W3SMK		Jim	(6 <del>/2</del> )	
	K3GAY		Don	(6)	1	WB2SZK		Randy	6-2-220-432	
	W3GEC		Joe	En in the		K3TPM		Bud	6	
	W3GEW		Sid	6-2-220		K3UJD		Mario	6-2-220-432	2
	K3GFG		Harold			K3VEQ		Joe	6+2+220	
	WA 3GNV		John	<u>6</u> -€2		K3WEU		Pau1	<b>6</b> 220	
	K3GQJ		John	<b>6-2-220</b>		K3WGJ		Bruce	6+2-220	
	W3GXB		Bob	<u>/2</u> (220)		K3WGK		Don	6+2-220	
	W3HK		George	<u>6</u> -2)		W3WIJ		Tom	6	
	W3HAB	1	Monroe		•	K3YPL		Nicky	6 220	
	W3HFY		Hal	6-2-220-432	7.55	K3ZK0		Ron	6-2	
	WA3HIT	_	Pau1	<b>6</b> 2)		K3ZPN		L1oyd	(6+2+220)	
	КЗНЈА	R	Earl	6		K3ZPQ		Bob	6-2	
	W3HKZ		Ed	6-2-220-432		W3ZRR		Ray	6-(2)	
	K3HSS		Chas	6424220		W3ZTL		•		
	WA 3HVI.	11.	Don		4	K3ZVD		Jim Chuck	`. 62	1296
	K3HWZ/ W3HY0	4	Bill Lappy	2		KYZZM	/ 3	Chuck	6-2	1270
	W3HYO W3IA		Lenny Tom	(2)	•					
	W3IK		John	6+2 (10)					54	
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