

PACK RATS

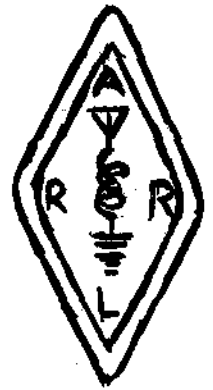


PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

# CHEESE BITS



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

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

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

VOLUME IV

JANUARY 1970

NUMBER 1

OUR PREZ SEZ

NEW YEAR REFLECTIONS

It is time to think back and to look ahead. What will the new year bring? To the club? To you personally?

Many experiences lie ahead. Ham radio may be over 50 years old but we're just starting, just scratching the surface. Each year posts many advancements. Some gradual, some sudden. Some day our "modern" equipment will be curios to future hams.

Are you keeping pace? Stay active. Be on the air. Keep up with the news, the technology. Don't let yourself get stale through inactivity. The social contacts alone make activity worthwhile. Most advances in ham radio are due to group thinking and multiple effort.

There is no better time than these winter months to keep the rig working. Making new friends, talking to old ones, planning, building, testing, trying new techniques - the VHF-SS is the seed for this season's activity.

Contest-minded or not, it is a prime reason to perk up your gear or update it, get on a new band. Best of all, is the fraternal bonus. And after all, isn't this the bond that makes ham radio so great?

Warmest regards to you in 1970.

W3KKN, Ernie Kenas

P.S. Ghost writers have free access to a large and bountiful junk box.

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

EDITOR:

K3JJZ, ELLIOTT WEISMAN  
8533 ALGON AVENUE  
PHILADELPHIA, PA. 19152  
215 - PI 2-3525

TRUSTEE OF CLUB CALL: W3CCX

W3SAO, FRANCIS BRICK  
821 W. LINDLEY AVENUE  
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7815 NEW SECOND STREET  
PHILADELPHIA, PA. 19117  
215 - ME 5-1078

PRINTER:

K3ZPN, LLOYD SCHOENIG  
P. O. BOX 6001  
PHILADELPHIA, PA. 19114  
215 - 637-6455

AWARDS CHAIRMAN:

W2EIF, JOSEPH KILGORE  
#5 SUNNYBROOK COURT  
STRATFORD, N. J. 08084

DIRECTORS' MEETINGS ARE HELD ON THE SECOND WEDNESDAY OF EACH MONTH AT DESIGNATED LOCATIONS.

MONDAY NIGHT NETS:

145.2 - 7:30 P.M.  
50.2 - 8:30 P.M.  
221.4 - 9:30 P.M.  
432.3 - 10:00 P.M.

OFFICERS - 1969-1970:

PRESIDENT: W3KKN, ERNIE KENAS  
VICE-PRES.: K3JJZ, ELLIOTT WEISMAN  
CORRES.SEC.: W3SAO, FRANCIS BRICK  
REC. SEC.: K3ZPN, LLOYD SCHOENIG  
TREASURER: W3MVF, DAVE BLOCH

DIRECTORS:

K3HSS, CHARLES LUSTICK  
K3KTY, JOHN TATE  
W3CJU, DONALD HAMPTON  
W3CXU, JOHN ALLEN  
K3MXM, LEE COHEN  
K3CIV, RALPH HERSH  
(Ex-Officio)

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

20¢ per copy                      \$2.00 per year

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.

\*\*\*\*\*

NEW MEMBERS

WA3NLT, William C. Burkle (Bill)  
1575 Edge Hill Road  
Abington, Pa. 19001  
215 - TU 7-4447

K3ZCY, Edward R. Barbcow (Ed)  
621 East Main Street  
Lansdale, Pa. 19446  
215 - 855-8114

WA3FOF, Ralph Alexander  
2600 Cheltenham Avenue  
Philadelphia, Pa. 19150  
215 - WA 7-0394

There are now "73" full members!

\*\*\*\*\*

WHAZZIT ITEM #1

Its message is transmitted widely.  
It has no tubes.  
Its power is self contained.  
It needs no mike, key, camera, or keyboard.  
Yes, it is expensive.

\*\*\*\*\*

SUBSCRIBE TO CHEESE BITS

Pass this along to a ham buddy: 12 issues \$2.00.

Send subscriptions and renewals to:  
K3GAS, Doc Cutler, 7815 New Second Street, Elkins Park, Pa. 19117

OUR FIRST PICNIC (AUGUST 12, 1956)

Although the Club was only organized in May we decided to have a family picnic. At the regular meeting held on June 26, 1956 the President, W3FSC, Ozzie Jacoby announced that August 12 would be the date of the picnic. Each family was to bring their own food. Refreshments to be supplied by the Club for the members and their families.

W3ALR and W3FSC offered to investigate possible sites for holding the picnic.

Prior to August 1956 the meetings were held at the QTH of W3FSC and W3KKW. W3FSC announced he had obtained a meeting place for the Club, rent free. In August we held the meeting at the Chelton Hills Recreation Center, Lober and Upsal Streets in Mt. Airy.

At the June meeting held at the QTH of W3KKN, possible sites were discussed for holding the picnic. Mentioned were Mermaid Lake in Ambler and the Fort Washington State Park in Flourtown. The site to be decided by the picnic committee, consisting of W3LBH, W3SAO, Mother Rat and W3HYO and his XYL Violet.

We selected Fort Washington State Park recommended by W3LBH after hearing his report of this being the ideal place for a family picnic at no cost to the club.

Due to the fact we had the grand total of \$14.51 in the treasury we did some begging. At the QTH of W3HYO with the assistance of our XYLS we went thru all the Ham Publications and made up a list of possible prize donors. One hundred letters were hand typed by Mother Rat and Violet.

We managed to have donated soda, toys and ladies gifts from various business houses in Philadelphia.

We planned on about 50 people attending the picnic. It was a beautiful day weather wise. (NOTE: we have never had to resort to the rain date in 14 years).

Twenty seven families were logged in at \$1.00 per family. Altogether we had close to 100 people, counting XYL's and children.

## Financial Report on First Annual Picnic, August 15, 1956:

Expenses	\$46.43	Prizes, Soda, etc.
	.74	Postage for Notices
TOTAL	<u>\$47.14</u>	
Receipts	\$27.00	at \$1.00 per Family
	10.90	Raffle (a 2 meter conv. donated by W3LBH)
Total	<u>\$37.90</u>	
Total Receipts	\$37.90	
	14.51	Balance in Treasury
	<u>\$52.41</u>	
Expenses	47.17	
	<u>\$ 5.24</u>	Balance
Receipts	5.40	Refund on Soda Bottles
	<u>\$10.64</u>	Balance on Hand

Continued on Page 4

OUR FIRST PICNIC (AUGUST 12, 1956) (Continued)

We started with \$14.51, had one heck of a good time, and still had \$10.64 left in the treasury. Who says miracles can't be performed? A picnic cost of \$3.87

The only way to enjoy your Club is by participating in our social activities. The above story proves a point. By working together we can enjoy good fellowship and at the same time keep the Club financially sound.

Pack Rats wake up! Did you know only 34 Pack Rats attended our last picnic. Is this the way to support your picnic chairman? K3KTY and his cohorts did a splendid job in organizing this affair and those of you that sat at home can feel sorry you let him down.

Next year support our new picnic chairman, W3LHF. Talk it up on the air now and BE THERE. THE DATE IS SUNDAY, AUGUST 10, 1970.

73,  
W3SAO, Frankie  
Club Historian

\* \* \* \* \*

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

HOW TO FIX TRANSISTOR RADIOS AND PRINTED CIRCUITS by Leonard C. Lane (Tab Books No. 504)

256 Pages, over 150 Illustrations, 12 Big Chapters  
Price: \$7.95 Hardbound; \$4.95 Paperbound

Here is a completely updated, revised edition of the famous best-selling classic on transistor radio repair - a totally new, second edition of an all-time best seller. In addition to extensive enrichment and rearrangement of the first edition, the author brings FETs, zener diodes, FM radios - in fact, everything related to the current state of the art - into the picture. Here's the perfect reference and guide for electronic technicians who need to understand and repair semiconductor circuits efficiently. For beginners, this single volume provides the practical knowledge needed to fix any transistor radio.

For those interested in transistor physics, fundamentals are emphasized in the first two chapters. Chapter 2 explains how transistors are "put together", and introduces basic circuits. The real "meat" begins in Chapter 3 which thoroughly covers amplifier fundamentals, basic circuit configurations, biasing, FETs, JFETs, and IGFETs. The next two chapters are devoted to RF and IF amplifiers, detector and AGC circuits, plus more advanced audio circuits, including output stages. Chapter 6 concentrates on auto radios and Chapter 7 on FM radios. In describing each type of receiver, the author begins his description at the "front end" and "works" through to the output stages.

The next three chapters explain solid-state servicing, repair techniques, measurements, transistor testing, and alignment, while Chapter 11 covers the same categories in regard to printed circuits. Chapter 12 presents numerous troubleshooting charts designed to help locate and repair all common complaints in transistor radios.

\* Amateur Radio Editors Association

WHEN I BECAME A PACK RAT

K3ALK	-	August 10, 1960	W3IK (W3HIX)	-	September 23, 1964
K3BPP	-	May 17, 1967	WA3JSR	-	October 16, 1968
W3CL	-	May 15, 1956	K3KUB	-	June 17, 1964
K3DUW	-	June 19, 1963	K3MXM	-	July 20, 1966
K3EOD	-	December 17, 1958	W3OZP	-	June 26, 1956
K3GNV	-	December 20, 1967	W3WIJ	-	December 15, 1965
W3HK	-	July 17, 1963	W3ZRR	-	October 15, 1958

Silent Keys: W3ASD, Karl Vincent - Deceased February 25, 1963  
 W3AYG, John Harris - Deceased October 22, 1964  
 W3CFS, Edward Albert - Deceased October 24, 1965

Should Auld Acquaintance Be Forgot?  
 Where Are You?

WA3JSR - Ben Ginsberg      K3KUB - Walt Randerson      K3ALK - George Keyser

73,  
 W3SAO, Frankie Brick  
 Club Historian

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THE W6SD CARRIER

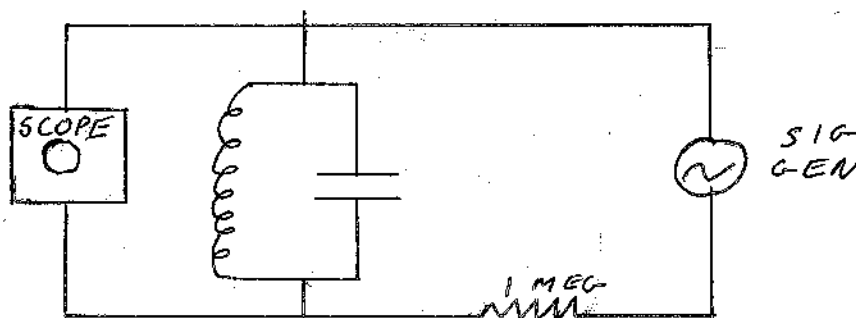
TESTING A TUNED "L C" CIRCUIT

To find the resonant frequency without any current from the set going through it. Attach the signal generator with a one megohm resistor in series with the hot lead of the generator, on one side of the condenser to isolate the generator current from the circuit. Attach the ground lead to the other side of the condenser.

A scope may then be attached being sure to hook the hot lead of the probe on the side of the resistor nearest the condenser in order to "read" the pattern of the "LC" circuit and not the Signal Generator.

The Signal Generator then may be tuned to the different frequencies to determine the resonant frequency of the "LC" circuit.

The largest R.F. pattern will be the resonant frequency; and the narrow pattern on each side of it determines the "band pass" of the "LC" circuit.



Gene, WB600X

PSYCHEDELIRIUM TREMENS

Remember when HIPPIE meant big in the hips,  
 And a TRIP involved travel in cars, planes, and ships?  
 When POT was a vessel for cooking things in,  
 And HOOKED was what Grandmother's rug might have been?  
 When FIX was a verb meant mend or repair,  
 And BE-IN meant simply existing somewhere?  
 When NEAT meant well organized, tidy and clean,  
 And GRASS was a ground-cover, normally green?

When lights and not people were SWITCHED ON and OFF,  
 And the PILL might have been what you took for a cough?  
 When CAMP meant to quarter outdoors in a tent,  
 And POP was what the weasel went?  
 When GROOVY meant furrowed with channels and hollows,  
 And BIRDS were winged creatures, like robins and swallows?  
 When FUZZ was the substance that's fluffy like lint,  
 And BREAD came from bakeries, not from the mint?

When SQUARE means a 90-degree angled form,  
 And COOL was a temperature not quite warm?  
 When ROLL meant a bun, and ROCK was a stone,  
 And HANG-UP was something you did to a phone?  
 When CHICKEN meant poultry, and BAG meant a sack,  
 And JUNK trashy cast-offs and old bric-a-brac?  
 When JAM was preserves that you spread on your bread,  
 And CRAZY meant balmy, not right in the head?

When CAT was a feline, a kitten grown up,  
 And TEA was a liquid you drank from a cup?  
 When SWINGER was someone who swung in the swing,  
 And a PAD was a soft sort of cushiony thing?  
 When WAY OUT meant distance and far, far away,  
 And a man couldn't sue you for calling him GAY?  
 When DIG meant to shovel and spike in the dirt,  
 And PUT-ON was what you could do with a shirt?

When TOUGH described meat too unyielding to chew,  
 And MAKING A SCENE was a rude thing to do?  
 Words once so sensible, sober and serious,  
 Are making the FREAK SCENE like PSYCHEDESERIOUS.  
 It's GROOVY, MAN, GROOVY, but English its not.  
 Methinks that the language has gone straight to POT!

via AUTO CALL, FEARL (M) NEWS & SARA SLIP

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ARRL BULLETIN

NR 251, December 18, 1969

The next ARRL Simulated Emergency Test will take place January 24 and 25, 1970. This is a serious effort designed to test local emergency plans and procedures under simulated emergency conditions. The test will include all Amateur Radio Public Service Corps amateurs, in AREC, NTS and RACES in local and nationwide

Continued on Page 7

MEETING NOTICES

SWAP SHOP

Conducted By: W3ZRR, Ray Whitehead  
7329 Shelborne St.  
Phila., Pa. 19111  
215 - RA 2-4786

The next DIRECTORS' MEETING will be held on January 14 at the QTH of W3KKN, Ernie Kenas, 2823 Old Welsh Road, Willow Grove, Pa. Please call if you cannot attend (659-3485).

FOR SALE

- Plate Xfms - all sizes - HiPower-Med and Lo
- Chokes - all sizes - regular and swinging from 550 MA down
- Fil Xfms - many kinds
- Mod Xfms and Drivers - Med & Lo Power
- Capacitors - many oil and electrolytic

The above power supply components were left at my QTH by a ham moving to the south. I was told to sell these for a fraction of their worth. Most are brand new with specs on all items - Kenyon, Thordarsons, Stancor, Etc. They're too heavy to bring to the Club. They are all over the basement and XYL is threatening, so please fellows, come and get em.

CONTACT: W3KKN, Ernie Kenas  
2823 Old Welsh Road  
Willow Grove, Pa.  
659-3485

The next REGULAR MEETING will be held on Wednesday, January 21, at the West Oak Lane Jewish Community Center, Sedgewick and Thouron Sts., Philadelphia. Topic: Crying Towel Session.

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ARRL BULLETIN (Continued)

exercises. You are urged to contact your local Emergency Coordinator immediately while there still remains time for you to be worked into SET plans and do your part to help justify the amateur service in terms of public interest, convenience and necessity. SET rules will appear in the January issue of QST AR

\*\*\*\*\*

FOR SALE

- GE Portable TV, 10" diagonal with Sam's folder \$10.00

CONTACT: K3GAS, Doc Cutler  
7815 New Second Street  
Philadelphia, Pa.  
ME 5-1078

DID YOU KNOW

That K3JJZ, ye old ed, had his mobile gear stolen again. Be on the lookout for an HA650 and carbon mike, a ranger AM/FM auto radio.

That the Club 6-M gonset has been stolen from the auto of K3IGX, Dick Boyle.

That K3ZCY, Ed Barbzcow, one of our new members, received his greetings from Uncle Sam. Good Luck Ed.

\*\*\*\*\*

DE HAM HUM

Then there was the little boy who strayed away from his father at the fairground and cried to the policeman that he was lost. "What's your father like?" asked the policeman, and the boy replied, "Beer and women."  
(W7SPB)

FOR SALE

- SB-200 linear - new tubes \$240 Firm (Reason - buying SA-220.)

WANTED

- 5 or 6 element 6 meter beam
- 2 meter beam

CONTACT: K3WEU, Paul Behrmann  
5101 Wynnefield Avenue  
Philadelphia, Pa.  
877-0562

WANTED

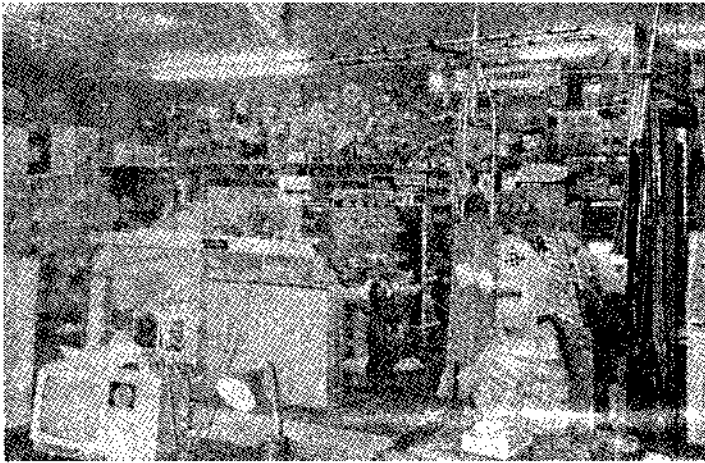
- 1 SX115 Revc.

CONTACT: WA3NFV, Dan  
997 Holland Road  
Holland, Pa.  
355-5269

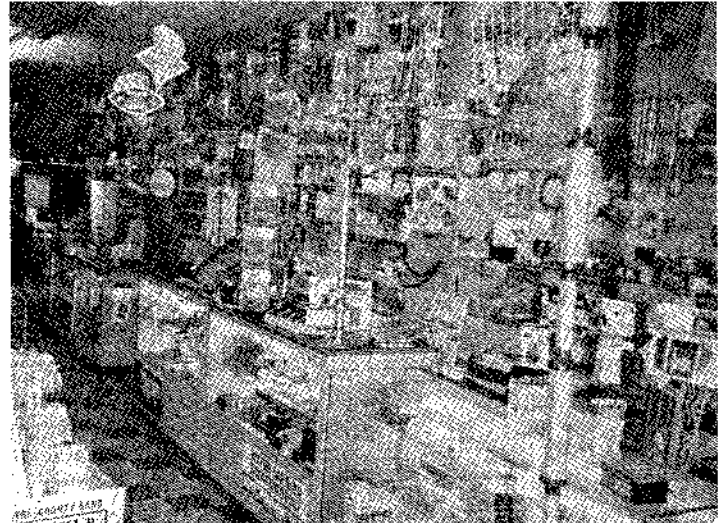
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AND CAN OFFER YOU THE BEST DEAL



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**SK75300**



**OPEN EVENINGS**  
**MON. THURS. FRI.**  
**9 AM TIL 9 PM**  
**TUES. WED. SAT. 9 AM TIL 6 PM**



-8-



# SEASONS GREETINGS



to the

## Pack Rats

THE HAMPTON COLLIES - W3CJU  
W3GEW AND FAMILY

SID, EDITH, GIL AND BETTE

K3GAS - DOC CUTLER

DR. CARL A. RILLING AND FAMILY  
( OH OF WA3HT )

MOTHER RAT, FRANKIE - W3SAO -  
AND JR OP PFC HARRY



BEST WISHES TO ALL  
WA3CND AND THE CANDY FAMILY

FROM THE STAFF OF CHEESE BITS

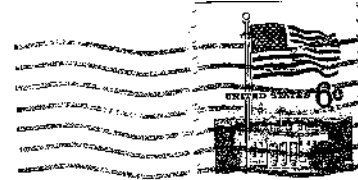
K3GAS - K3JJZ - WA2KOI - K3MXM

and all the guys who put the paper  
together every month at Doc's place

W3BK - 73's - GEORGE

<p><b>morton d. mazer</b> WA3EPS REAL ESTATE</p> <p>1609 E. WADSWORTH AVENUE PHILADELPHIA, PENNA. 19180</p> <p>(215) CH 8-1682</p>	 <p>PHONE: 662-6114</p> <p><b>BARRACKS TRADING POST</b> Camping - Electronics Canvas</p> <p>RT. 38 of RUDDEROW AVE., MAPLE SHADE, N.J.</p> <p>HARVEY PRIMOST</p>	<p>K3MXM</p> <p>LEE A. COHEN</p> <p>CLAYTON L. HAGY &amp; SON INCORPORATED 4527-31 HEDGE STREET PHILADELPHIA, PA. 19124</p> <p>WIPING RAGS POLISHING CLOTHS COTTON &amp; WOOLEN WASTE</p>
<p>LCcut 7-7130</p> <p>K3KTY</p> <p>TRANSPORT EQUIPMENT COMPANY <i>"Everything for the Truck"</i></p> <p>JOHN A. TATE. HOME PHONE OR 3-8840</p> <p>2215-2217 RACE STREET PHILADELPHIA, PA. 19103</p>	<p>YOUR BUSINESS CARD AD RUN HERE</p> <p>ONLY \$1.00 PER MONTH</p> <p>CONTACT: K3MXM, LEE COHEN 8242 BROOKSIDE AVE. PHILA., PA. 19117 215 - 635-4942</p>	<p>449-2300</p> <p><b>KASS ELECTRONICS DISTRIBUTORS</b></p> <p>DISTRIBUTORS OF RADIO - TELEVISION PRODUCTS INDUSTRIAL ELECTRONIC PARTS &amp; EQUIPMENT</p> <p>2502 TOWNSHIP LINE ROAD (WEST OF LANSDOWNE AVE.) DREXEL HILL, PA. 19026</p>
<p>K3WGK</p>  <p>DON COOPER Cooper-Clement Associates 805 Glenside Ave. Wyncote, Pennsylvania Code 215-548-5450</p>	<p>PIONEER 4-2628 - 27</p> <p>WA3JSR - BEN</p> <p><b>G &amp; G Metal Products</b></p> <p>STEEL FABRICATION - FORMING AND STAMPING SPOT WELDING - ARC WELDING</p> <p>1709-15 GILLINGHAM STREET PHILADELPHIA 24, PA.</p> <p>B. GINSBERG</p>	 <p><b>A. G. RADIO PARTS CO.</b> 939 TOWNSHIP LINE, ELRINS PARK, PA.</p> <p><b>W3BHR</b></p> <p>DUKE TU 6-300</p>

Pack Rat Cheese Bits  
8533 Algon St.  
Phila. Pa., 19152



W3KKN, Ernest Kenas  
2823 Old Welsh Rd.  
Willow Grove, Pa. 19090



**PACK RATS**

**FIRST CLASS MAIL**

## MEETING NOTICE

*"Ham" Buerger, Inc.*

AMATEUR RADIO IS OUR BUSINESS

### STORE HOURS

MON. 9.30	TUES. 9.30	WED. 9.30
FRI. TO	TO	TO
SAT. 5.30	THURS. 1.30	9 PM.

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Sit down to one of the new GT-550s...switch on that tremendous power...and pick up one of your favorite DX contacts. You'll swear you're talking to the guy next door!

This is *the* rig. The one they all want. And now you understand why. Makes you want to go home and throw rocks at your own outfit.

The price kinda surprises a guy, too. Doesn't cost as much as you figured to own the best. You can add those great matched accessories one at a time until you have everything a ham could want.

Wonder what you can get on a trade-in? Ask your dealer.



**GALAXY**

80 York Rd. -- Willow Grove, Pa.

OL 9 5 9 0 0

