



# PACK RATS CHEESE BITS

VOL. IV

MT. AIRY V.H.F. RADIO CLUB, INC., PHILA., PA.  
(144.2, 50.2 and 221.4 MC.)

NUMBER 5

W3CCX

(Meeting notices, last page)

AUGUST 1961

## ABOUT PROJECT OSCAR

### ASK BOX 183 SUNNYVALE HOW YOU CAN HELP

Project Oscar made its QST debut in an article back in February by W6SAI and W6TNS. In the May issue Ground Support for OSCAR was the subject by K5VFN and K6QMJ. The Project Oscar Ass'n. was affiliated with ARRL as part of the business of the recent Board Meeting. Directors W6HC and W6MLZ maintain close association with the Project. But all amateur operators and experimenters must collaborate in the Oscar program, if it is to be regarded as the success it should be. The "date with space" and an Orbital Satellite Carrying Amateur Radio moves closer. Since we are advised from reliable sources of the possibility that an Oscar package may be activated as early as this autumn, we want to tell you in this bulletin how to get set for some club and personal participation.

That May QST article covered some tracking principles and procedures. As the article says, about all we need to get with the Oscar Program is a horizontally polarized multi-element Yagi, a good two meter crystal-controlled converter and a communications receiver. The footnote page 47, May QST, gives constructional references for building good converters and for up-dating present gear in this department. July QST will have more on OSCAR. EVERY AFFILIATED RADIO CLUB AND FIELD ORGANIZATION APPOINTEE, ESPECIALLY O E S APPOINTEES WE HOPE, CAN FIND THE OPPORTUNITIES TO RECEIVE, RECORD, AND REPORT OSCAR'S SIGNAL WHEN THE DEVELOPMENT SO EARNESTLY WORKED ON IS REPORTED IN ORBIT! This seems to us a challenging informative sort of adventure in a new frontier of V.h.f. work. Conventional equipment should work, but it's a good excuse to whomp up our reception with a 6CW4 Nuvistor (see Apr. QST). Let us here summarize some points about Oscar:

(1) There has already been one very successful fly-by test conducted by amateurs in the Bay area, with the Oscar package flown in an airplane. The 145-Mc. signals were easily picked up and followed with the regulation amateur gear. The built-in power provided with Oscar is expected to be good for about three weeks of transmissions.

(2) Should there be more fly-arounds we'll try to give you a W1AW announcement, just as we bulletined the report of the success of this flight test. (DBS Nr. 798). While it takes several weeks to get data in QST, and several days for national coverage by PBS, word carried for several hours gets around by W1AW. It's perhaps unfortunate that the dates of Discoverer firings (with which Oscar is identified) are classified. The Project Oscar Ass'n. plans to have pipelines into W1AW so you can get fastest word, whenever there's a chance to look for an activated Oscar on 145 Mc. So see the W1AW frequencies and times (in each QST). Check W1AW's at bulletin times as a regular operation habit.

(3) AFFILIATED CLUBS MAY BOOK TAPE RECORDING. We wish all of us might have attended the Phoenix ARRL Convention and got the Oscar story in full, first hand. However, the Project Oscar Association is preparing an audio tape recording that gives this, and explains how clubs and individual amateurs can help. The tape runs 15 to 20 minutes and is expected to be available through our ARRL TRAINING AIDS SECTION for advance loan-bookings to club affiliates. The exact date Hq. will get this tape is not known. However, we here suggest that clubs interested in presenting this tape write us at ARRL at once. We suggest you give us several alternative meeting or booking dates, if possible, so we can date your letter as received, and arrange bookings-in-turn for the different clubs, as soon as we receive this tape. We want you to be early on the list, and get in on the first work with OSCAR I (not II III or IV that might come later). We hope bookings can start in August.

(Cont'd next page)

(4) We think of PROJECT OSCAR as an ideal one for any club with v.h.f. operating members to undertake. With many hands, clubs can manipulate antennas and record results at the same time; members can take shifts and follow reception on many consecutive 90-minute passes as the Oscar package separates and gets further from the satellite that puts it up. A club can fill out more columns and make a bigger report in most cases, than an individual. But O E S and individual amateurs who work the v.h.f.s also can do much, and may provide even more geographical points of coverage than clubs. About 1200 clubs are directly affiliated with ARRL. But individual experimenters are very much needed, since only a small part of these clubs specialize in work at 50Mc. and above! If you have any v.h.f. interest as an individual or if you're O E S and in a club too, we suggest you do what you can to get your club interested in OSCAR.

(5) July QST has another OSCAR article. This gives more of an overall picture of the "package" and project, and we suggest you study this closely. Included is some information on how orbits are going to be indicated. It is planned that crossing times and orbit corrections will be given us for WIAW daily transmissions to you, once the activated OSCAR has been put in space. This is to give you and all amateurs the proper times to look for OSCAR, identified tentatively as to send "HI". Oscar Tracking Report Forms show spaces for GMT, azimuth degrees from North, elevation above horizon, Signal Strength above Noise Level, seconds for completing ten coded "HI" identifications, and doppler shift in cycles above or below 145 Mc. Clubs writing the Oscar Ass'n, might indicate how many club members they think can work together on an Oscar Project. Clubs and individuals are urged to register their interest by letters or QSL cards direct to PROJECT OSCAR, BO 183, CALIFORNIA. They may ask for a copy of the Oscar Tracking Report Form and details of how to assist this amateur working group, the Project Oscar Association.

OSCAR communications aspects also are being worked on. (1) Tom Lott, VE2AGF/6 and Doc Gmelin, W6ZRJ, represent Oscar Communications. They hope to utilize the National Traffic System in sending word through area and regional NTS managers of the successful orbiting of the amateur-band OSCAR; likewise to implement a plan to receive through NTS Report-Message Filings from amateurs reporting on successful reception of OSCAR signals. The OSCAR group hopes that these may come in quantity from amateurs in all parts of the nation! (2) K6MTX is preparing to originate (by RTTY) data to go by amateur radio to WIAW giving the basic information, as it changes from day to day, to all amateurs through WIAW Bulletins. Any OBS who can copy us direct should plan to repeat promptly all such OSCAR information... this fall or for subsequent activations of more OSCAR packages. K6MTX has been and expects to continue relaying Oscargrams in the Bay area and is lining up relaying stations to insure reliable transcontinental "copy" under adverse conditions.

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The preceding is reprinted, with permission, from the ARRL CD BULLETIN, Summer Edition.

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OFFICIAL BULLETIN NR 806 FROM ARRL HEADQUARTERS, WEST HARTFORD, CONN.  
JUNE 30, 1961 TO ALL RADIO AMATEURS BT

Amateurs are again reminded to beware of the radiation of harmonics from amateur stations in frequency ranges outside the amateur bands. ARRL Official Observers continue to send out reports in an effort to keep amateurs out of difficulty with the FCC. Amateurs, especially those newly licensed, are urged to make sure their transmitters and antennas are radiating at the desired output frequency rather than at a harmonic. All are requested to help the new licensee in this respect. Refer to Chapter 23 of the Handbook for eliminating harmonics. AR

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OFFICIAL BULLETIN NR 807 FROM ARRL HEADQUARTERS, WEST HARTFORD CONN.  
JULY 6, 1961 TO ALL RADIO AMATEURS BT

The attention of DXers is called to the addition of KUWAIT/SAUDI ARABIA NEUTRAL ZONE to the ARRL Countries List. This Neutral Zone is located between Kuwait and Saudi Arabia and is territory over which sovereignty has not been established. DXCC credit claims for this addition received before November 1, 1961 will be returned without credit. QSL's must be dated November 15, 1945, or later. DSCC Noted in September QST will carry further data on the addition of the NEUTRAL ZONE to the countries list. AR

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OFFICIAL BULLETIN NR 808 FROM ARRL HEADQUARTERS, WEST HARTFORD, CONN.  
JULY 14, 1961 TO ALL RADIO AMATEURS BT

The Federal Communications Commission has extended maritime mobile operating

privileges on a world wide basis to include the 14.00 to 14.35 MC band for U.S. amateurs, effective August 21, 1961. The League filed comments in support of the rules change proposed by the Maritime Mobile Amateur Radio Club. At present, U.S. amateurs may operate maritime mobile within Region 2, North and South America, between 7.0 and 14.8 MC inclusive, and when outside Region 2, on 21.00 to 21.45 MC and 28.0 to 29.7 MC AR

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COUNCIL REPRESENTATIVES:

W3AYG, JOHN HARRIS K3LBT, AL OBENLAND

MEETINGS: DIRECTORS: Second Wednesday each month, 8:00 P.M. REGULAR: Third Wednesday each month, 8:00 P.M.

MEETING PLACE: WEST OAK LANE JEWISH COMMUNITY CENTER, SEDGWICK AND THOURON STREETS, MT. AIRY, PHILA., PA.

NETS: 144.2, each Monday, 2000 50.2, each Monday, 2100 221.4, each Monday, 2200

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HIGHLIGHTS OF DIRECTORS MEETING, JULY 12, 1961

Our new President, Jack Power, appointed the following to chairman these committees;

MEMBERSHIP: W3CL, HARRY STEIN PROGRAM: K3IUU, BERT SOLTOFF TECHNICAL: W3KKN, ERNEST KENAS CONTEST: W2EIF, JOE KILGORE COUNCIL: DELEGATE, W3AYG, JOHN HARRIS CO-DELEGATE, K3LBT, AL OBENLAND PICNIC: W3SAD, FRANKIE BRICK RAFFLE: K3HWZ, BILL McCUTCHEON

Should you be asked by any of the above chairmen to serve on their committee, please do so.

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Congratulations to K3KMN, George and his XYL, May, on the birth of a second daughter, Linda Maria, on June 25.

W4FXQ of PROPAGATION PRODUCTS CO, has over 200,00 surplus manual, and if you would like to have one or more, write to him at PROPAGATION PRODUCTS CO. BOX 2513 NORFOLK, 1, VA.

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NOTE to Some Crackpot Mechanic, W3ZRQ.

In answer to your note about the S.C.M. being elected and not appointed. I know that the office is an elective one, but you had no competition, so therefore your name did not appear on the ballot, so you were automatically "re-elected", or appointed for another two years. Ynah!

That sure was some screwy way that Cukie received his copy of "Cheese Bits". When I saw him in August he said he was moving to Ringtown, R.D. 1, and he didn't give me a change of address when I saw him in October.

Be looking for you at the picnic.

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FROM OUR MAILBAG

JULY 8, 1961

Dear Helen:

Find enclosed a snapshot of Karl and I of our wedding. You said you would put it in "Cheese Bits"

I also send thanks to all the friends of "Ham Radio" for the "Get Well Wishes"

If Karl will give me any schematics or information which he got while in Buffalo, I will gladly write and send them, as I do the writing for the family.

Hoping this finds you and yours in the best of health.

And Helen, Karl and I really enjoy reading "Cheese Bits".

73's,

Sincerely,

XYL- W3SAD, Nellie and Karl Vincent \*\*\*\*\*

Thanks Nellie. As I told you when we saw you, I will put the picture in with the pictures of the picnic, which will be published after our return from vacation in September.

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IMPORTANT NOTICE

I must have all articles for the Sept. issue absolutely no later than the picnic, August 13, as we leave for our vacation August 19, and that gives me just one week in which to get it out.

PLEASE CO-OPERATE! AUGUST 13 IS THE ABSOLUTE DEADLINE!

Frankie and I visited the Surf Side Ham Fest, sponsored by the Amateur Radio Clubs Associated, Inter Clubs Council of Maryland, at Kurtz Pleasure Beach Club, Pasadena, Maryland, on Saturday, July 8, 1961.

The only directions we had were to take Route 40 to Baltimore, which we did. From there we found our way by asking at gas stations. We only goofed once. On the freeway, after the tunnel, we didn't know where to turn, and there were no service stations, so we went on until we came to the Baltimore International Airport turnoff and went there to ask directions to Pasadena. The girl at the gate didn't know, so we asked at the Gulf station, and we had to back track about 6 miles to the Glen Burnie turnoff. In Glen Burnie we got the final instructions on how to get to Pasadena. We kept calling the Hamfest, but they were not on the air. We kept calling asking for directions, and finally K3MFM/M answered us and told us where to turn off the Highway that we were on. Along the way, we picked up K6RCW/3M, also on his way to the Hamfest. They were behind us, and we all arrived there at the same time.

They had a very nice location, and a good many peices of gear to auction off, and some very nice prizes.

I'm sorry to say this, but if it had not been for W2REB, George and his XYL, Eleanore, we would have been left all to ourselves. One of the fellows in charge heard me say to Eleanore that if it had not been for Frankie's Heath Sixer we would not have been able to find the place. He asked me where we were from. When I told him, I was asked to speak on the public address system. I told them who we were and where we were from, and invited them to attend our picnic. Frankie won a prize. They told me that we came the farthest.

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On the way home from the Hamfest, we stopped in to see Karl and Nellie. That was a mistake because we couldn't get away from there, they even wanted us to stay overnight. We couldn't as the Jr. Op had a Little League game on Sunday. They played the girls soft ball team. Harry and Nellie's boy, Wyn, are the same age and they had a grand time together.

Nellie's sister and Brother-in-Law stopped in and W2RFM, John was also there. We were having a good time and hated to leave, but we left home at 8:30 A.M. Saturday morning, and arrived back home at 12:45 A.M. Sunday morning. needless to say, we were tired.

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Now that we have given you the good news, we will give you the bad news. We offer sympathy to W2AXU and his Family. The father of Jack's XYL was killed in a head on collision. I

belive it was Thursday, July 13.

We also offer our sympathy to W3UMI, Willie. His mother passed away on Friday, July 14.

In the last issue, we told you that Ralph, K3CIV, was visiting his daughter in Kansas, but he is now in room 416, Temple Hospital. We hope by the time you read this, he will be home.

We also understand that Bud, W3TYX, is at home with a back injury, suffered as the result of being struck by a car.

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#### COURTESY

(Mother Rat squeeking, and not the opinion of the club.)

Speaking of Courtesy, common courtesy that is, and has nothing to do with the ham bands.

If you write a letter to someone, you expect that person to reply directly to you and not give their answer to someone else to relay. In regards to this, we ask you to read Article IV, Sections 1 and 2 of the By-Laws.

Remember, if you should receive a letter, it is not the corresponding secretary writing to you personally, but it is a letter from the Board of Directors, reminding you of something that you have overlooked. This oversight may have been caused by illness or business matters.

There is another courtesy which you owe to your Board of Directors. Should there be illness or an accident have someone of your family contact some member of the board immediately. It was in a very round about way that we learned that Bud, W3TYX, was struck by a car and is suffering from a back injury, so bad that he has had to give up his business. Bud's home phone number is; LYnwood 8-7881 and his home address is Wrightstown, Pa.

I hope that all of you will take this in the right state of mind, as it is very disappointing to your corresponding secretary not to receive an answer. He does not know what report to make at the next board meeting. I know, because I have been the one to write the letters in the past, and have sat on pins and needles looking for a reply. When it came time for a Directors meeting, I'd tell Frankie, "We got no answer from W3... and you know what the By-Laws say." What happened? He went to the meeting and someone would say; "I got a call from W3... about the letter."

You now have a new corresponding secretary, whom you elected, so let's show him the respect due him.

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Well here it is July 17, and despite the note in the last issue that the deadline is the 15th, "Swap and Shoppe" was the only one in by then. I'M getting angry!

TO ALL RADIO AMATEURS BT

The FCC on July 19 amended the amateur rules to make it possible for citizens temporarily living outside the jurisdiction of the FCC to apply for the Conditional Class license regardless of their permanent home address. The revised regulations, requested by ARRL, becomes effective on September 6, 1961, and apply to those whose absence is expected to be for more than one year.

AR

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SWAP SHOPPE

Conducted by, W3ZRR, Ray Whitehead  
4534 N. Smedley St.,  
Phila., 40, Pa.

FOR SALE GLOBE HYBANDER for 6 & 2  
GLOBE VFO for 6 & 2  
Factory wired, Coax Antenna Relay.

All in perfect working condition, \$100.00

CONTACT K3HWZ, Bill McCutcheon  
Day - DE. 8-2300  
Eve.- EL. 7-4972

FOR SALE NATIONAL VFO for 6 & 2  
\$35.00

CONTACT K3MSV, Jule Bernoff  
4944 Whitaker Avenue,  
Phila., 24, Pa.  
CU. 9-5368

WANTED 3rd or 5th overtone xtals  
50.1 to 51.5 Mc., also  
25.06 to 25.4 Mc.

CONTACT K3JJZ, Elliott T. Weisman  
8533 Algon Avenue,  
Phila., 15, Pa.  
PI. 2-3525

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RE-RUN SCHEDULED FOR "THIS IS YOUR LIFE" PROGRAM

The TV program "This is Your Life" has re-scheduled its showing of Lenore Conn, W6NAZ, for the night of August 6th.

Amateurs who missed seeing this program complimenting "ham radio" should not fail to watch this re-broadcast.

The preceding article is taken from "The Monitor".

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Last month we told you Ralph, K3CIV was in Kansas. Well he returned home and spent some time in Temple hospital. He is now at the shore.

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K3EOD, Al is staying in Miami Beach for awhile with his family.

Congratulations to Ralph, K3EGP and XYL, Jean on the new arrival.

Yo, Ralph, did you move yet ?

The summer DX is beginning to thin out a bit in strict accordance with Sporadic E type propagation predictions. If you did not work at least 48 out of 50 states, up through the middle of July, then you may have to wait until next year. The present openings will gradually tail off during the summer but not get quite as low as for the Feb-Mar-April period. There will be some good "Ground Wave" openings, on 6 and 2, and higher during September and October, for you that are on during the morning hours, keep the beam Northeast from now on, and there will be contacts into Mass., and even farther. There will be a reoccurrence of the present DX during the period November 30 to January 15. The openings will not be as intense or as long, and will be mostly to stated 400-1200 miles distant.

Now is a good time to get the 2 meter gear going. 300-500 mile contacts should be possible on 2 in the next few months, a little patience and operating plus a surprizingly small amount of power is all you need. Working the DX for fun-for new states- or just plain rag chews, has been very rewarding to quite a few of us over the past several months, BUT there has been a notable lack of certain Pack Rat calls at the same time on the VHF bands. These calls have not been heard on the Nets or as a matter of fact on any band activity. It can only be concluded, that as the seasons pass, interests change, the ham gear gathers dust, and letters from the Club about Delinquent Dues and warnings about lack of activity go unanswered. Is your call in this group? If it is, you are doing the Pack Rats a further disfavor. The Club has gone to considerable effort to set up a system which permits retirement for those that do not want to be active and yet want to call themselves Pack Rats. This was designed to protect the club from the harm that inactive members knowingly or unknowingly cause. THIS CLUB CAN NOT GROW OR MAINTAIN A HIGH STANDARD WITHOUT ACTIVE MEMBERS. Read your constitution - it provides a very slick sliding board, where people pursuing that rare bird - The EGRESS- can look back on that final of all signs "THE EXIT". So forewarned is forearmed, keep your dues paid up, this is not a charity organization, and when you receive a letter concerning your activities and delinquencies, be courteous enough to answer it, even if the reply is that you are no longer interested. If you do not answer, then don't be surprised to find yourself on the outside looking in, and it will be no one's fault but your own.

(Cont'd next page)

Sunday, August 13 is the day of the Pack Rat Picnic. There will be "Eyeball QSO's by the score with the gang from Connecticut to Virginia--It is a family affair, a real picnic, to be enjoyed by the kids, the XYL and the DM-- Come one, come all and have a swell time.

SMEL

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Welcome home from the Abington Hospital to Doc, W3IHT.

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PICNIC PROGRESS

It won't be long until the big day. As the time draws near the prizes grow larger in number and my dining-room grows smaller in size.

If all goes according to the plans made at our committee meeting, it should be one of our best yet.

We have put in our request to the weatherman for sunshine. He better not double-cross us. If it should be postponed because of rain, Frankie and I will have to postpone our departure for vacation two days. Of course that won't make the Jr. Op. mad, because then he will only miss one Little League game instead of three, as it is he will have to miss the playoff games. His team is number one in the first half.

We'll be looking for all of you on the 13th of August at Fort Washington State Park in Flourtown, Pa.

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JULY 19th MEETING

The meeting was originally scheduled to be held at the QTH of Ernie, W3KKN, but Ernie was sent out of town on a business trip at the last moment, and the meeting was changed to the QTH of John, W3JSD. We spent a great deal of time trying to notify all of the members of the change. I must admit that I goofed on the cards sent to some of the members. I forgot to flip my desk calendar page and the date I put on them for the meeting was June 21st, instead of July 19th. In spite of the goof, they arrived at the right QTH at the right time. We also posted a sign at the QTH of Ernie.

As this was an outdoor meeting there wasn't much business discussed. The new officers were installed and the gavel turned over to Jack, W2AXU the new President. Jack then proceeded to announce the chairmen of the different committees which appear on page three.

We would like to express our thanks to John and Ann for taking the meeting on such short notice. That is no easy task.

Ernie was made the custodian of the gavel we received from the ARRL for winning the VHF Sweepstakes.

We are sorry that we cannot give you the results of the nomination of officers for the D.V.C.A.R.C. For some reason no one showed up to open the hall for the meeting and the delegates that did show up for the meeting waited from 8:00 to 9:00 P.M. before going home.

Somebody goofed, and it wasn't me.

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COMING EVENTS

AUGUST 6- Re-run of "This is Your Life" NBC, 10:30 P.M. E. D.S.T.

AUGUST 13- Pack Rat Picnic, Fort Washington State Park, Flourtown, Pa.

AUGUST 16- WHITE ELEPHANT SALE, (see meeting notice)

SEPT. 10 - South Jersey Hamfest, Molia Farms, Malaga, N.J.

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Frankie and a group of the fellows lowered the tower and removed his 4 element two meter beam, and put in its place a ten-over-ten 2 meter beam on Sunday July 16.

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Had a visit from the Old Zoo Keeper, Myles. He had one of the twins with him, and when he came into the house she didn't want to go to him. So I kept her and gave her her bottle and put her to sleep.

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South Jersey now has a new meeting place. It is at the Delaware Township High School, near the Cherry Hill Hospital.

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I guess that's all for this month. PLEASE, PLEASE, PLEASE!!! have your articles in for the next issue NO LATER THAN AUGUST 13. Frankie and I leave on the 19th for our vacation, and that only gives me that one week in which to get the September issue ready and in the mail before leaving.

MEETING NOTICES

AUGUST 9

BOARD OF DIRECTORS MEETING

The Board of Directors meeting will be held at the QTH of W2AXU, John B. Power, 25 Van Duyn Drive, Trenton, New Jersey, on Wednesday August 9, at 8:00 P.M. If for any reason you are unable to attend, please call 609 TU. 2-1040.

AUGUST 16

REGULAR MEETING

The regular monthly meeting will be held at the QTH of W3KKN, Ernie, 2823 Old Welsh Road, Willow Grove, Pa., at 8:00 P.M., on Wednesday, August 16th.

WHITE ELEPHANT SALE

At this meeting we will conduct a White Elephant Sale so dig into every nook and cranny of your shack for usable gear that you are not using. This is not a place to get rid of your junk, but usable gear that you have no need of, which may help some club member or friend. Our auctioneer will be K3HWZ, "Grandpop" Bill.

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ADDITIONAL INFORMATION

RECEIVED - PHILADELPHIA PA 1961

JUL 26 1961

TO: ERNEST KENAS  
2823 OLD WELSH RD.  
WILLOW GROVE, PA.

FROM: [Illegible]

JUL 26 1961

RE: [Illegible]

ADDITIONAL INFORMATION

[Illegible text]

PHILADELPHIA PA 1961  
JUL 26 1961

"PACK RATS CHEESE BITS"  
829 W. FISHERS AVE.  
PHILA. 41, PA.

JUL 26 1961



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