



HAM HUM

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April 1965

APRIL MEETING

Next meeting of the Ak-Sar-Ben Radio Club, Inc. will be held at the 4-H Building, Ak-Sar-Ben Field, on Friday, April 9th. Program will be a talk by Hugh L. Tinley, KØGHK, who will give us the interesting details, complete with slides, of the trip he and Leo I. Meyerson, WØGFQ, took to Honduras. They went to Honduras with an immense amount of radio and supplementary gear to put a station on the air during the DX Contest.

This promises to be a very interesting report and will include two areas of interest, one being the trip itself and the problems of the station, and the other being the operation and the fact they had over 2000 contacts along with how it feels to be on the DX side of the contacts. In other words, how it was to be *wanted* instead of *wanting*.

Don't miss this one! We'll be looking forward to seeing you on April 9th.

NEW TREASURER

At the March meeting President Edmond E. Donze, WØYEV, announced that the Board of Trustees had elected John W. Orr, WØPHW, as Treasurer, to replace Ray O. Dappert, KØKQK, who because of personal commitments found it necessary to resign from the Board and from the office of Treasurer.

To replace Ray on the Executive Council the Board selected Peter C. Trapolino, WØJHU. This selection was ratified by the members at the March meeting.

FOR SALE

SR150 Transceiver, like new, complete with AC and DC power supplies and mobile mounting rack. \$700.00 complete. Reason for sale: No room in new Mustang.

Dave Hollander
Phone 556-0227
after 1800 hours

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MARCH MEETING

Program for the March meeting was a demonstration of RTTY by John W. Orr, WØPHW, and Leo Connolly, KØJIU. As we promised you, the program was in natural color, or at least living color, as John had completely repainted the teletype in a beautiful gray finish. The only problem was that he ran out of gray paint and found a few covers he had forgotten to paint. The only color paint he had left was a brilliant orange, or was it peach, which he then used. This resulted in a color combination the likes of which has never been seen before.

In addition to discussing the merits of various RTTY equipment, the fellows went into the tuning units necessary to use the machines for receiving or transmitting by radio, it being necessary to convert the audio tone on the receiver to an electrical impulse and thus cause the magnets on the machine to do the typing. Or, in the other direction to convert the electrical impulses into a frequency shift or the generation of two tones. In general they impressed those present with the fact the ordinary amateur could get

into receiving or transmitting RTTY and that it would not take a full genius to handle it.

Our thanks to John and Leo not only for giving us the lecture but for the physical effort involved in hauling a trailer load of gear to the meeting and back home again.

FROM Bob Denniston, WØNWX

As a reminder to you that our ARRL Director from the Midwest Division could use your comments, the following is an excerpt from his letter of January 31st:

"As your representative on the ARRL Board of Directors which meets once a year and on the Board's Executive Committee which meets every two months, I am continuously working for and promoting ideas and schemes for the good of amateur radio, some of which have been suggested (me by you the members, and some of which I have come up with myself. Many, many of you have written me letters concerning ideas which have been printed in

QST and proposing ideas of your own. I appreciate these letters very much and study them closely as they are most helpful to me in this job. To those of you who have written me in the past, thank you very much. To those of you who have not been giving me the benefit of your opinions and ideas, please do so when convenient. On one occasion I sent forms to the members of the division to poll them on matters under consideration, but the response was so small, less than 10%, that it was hardly worthwhile. Many of the responses I did get said something to the effect that they had elected me to this office to dig into these matters and find all the facts, which they did not have time to do, and then vote on them according to what is best for amateur radio. This I do to the best of my ability as I appreciate very much the confidence you have placed in me. Please give me your opinions, advice and ideas whenever you care to."

Those of you who will attend the Midwest Division ARRL Convention in Des Moines will have an opportunity to talk to Bob in person as he and the Executive Committee of ARRL will be at that meeting. This issue, however, may be published a little too late to remind you

be sure to go to that meeting. Inasmuch as most of you have received a circular on the Convention and heard President Donze's comments at our last meeting, and by passing the information from QTH to

QTH, it is hoped a number of you will be at the Convention.

We will try to have a full report in our next issue.

MEETING NIGHT

We actually received very few replies regarding meeting night - not enough to give a true opinion of the membership. You may be interested in the following excerpts from the comments received:

Friday night is just about perfect for me. It is the only night I can take a break from my homework.

How about meetings on second Thursday instead of Friday?

I would prefer that it stay on Friday. That way I could get transportation and not be stuck at home with a pile of homework.

Any Friday night is O.K.

Monday or Tuesday a few months a year. (Editor's note: This suggestion calls attention to the fact the article in the January issue was biased toward Friday night meeting. This was not the intent of the article. Hope other members did not get the same idea.)

Generally it would be hard to find a better night for all Club members than Friday. Maybe a few meetings would be an ex-

(Continued at bottom of 2nd Col. P. 4)

INVITATION FROM BELLEVUE

Bellevue Amateur Radio Club
2504 Franklin Street Bellevue, Nebr.
21 March 1965

Ak-Sar-Ben
Amateur Radio Club
Omaha, Nebraska

Dear Sir:

I would like to take this opportunity to cordially invite your Club members and officers to attend a meeting of the Bellevue Amateur Radio Club on the 16th of April 1965. During this meeting we will have as guest speaker Mr. Robert Ruyle of Hy-Gain Electronics Corp., a very interesting evening is promised. Your attendance would be our pleasure.

The meeting will be held in the Community Room of the First National Bank of Bellevue at the corner of Mission and Franklin Streets. Time Meeting begins is 7:30 P.M. CST.

Hoping to see you at the meeting.

Sincerely,
Arthur P. Kissner, Jr.
WAØJZU
Vice President
Bellevue Amateur Radio
Club

I hope that it will be worth the price of the postage on this card for me to let you know that "Ham Hum" is the finest publication of its kind I have seen.

WA5GOW

HAPPENINGS OF THE MONTH

If we had more cards from you we would have more happenings to report. We did find out that -

John Evans shed his novice call and now holds call WAØLM..

We were glad to see an old face at the March meeting. Mike Trimble, KØAVB, visited us with his wife, Norma, WB6JXN. Mike spent four years in the Navy. He plans to go to work for IBM in California. His address is P. O. Box 465, Coronado, Calif.

(Continued from P. 3)

ception, for instance, the pancake supper could be held on a Saturday instead of Friday so we Catholics could enjoy the bacon too. Hi!

Any other night than Friday I couldn't attend all of the meetings. However, if it is to be changed I'd do the best I could.

The night I prefer is Friday or Saturday because of school.

This is the sum total of the comments received. Some of the rest of you have ideas either to change the meeting night or leave it alone. Let us hear from you. The reply cards will be taken to Board meeting next month so please send in your idea and while you are at it give us some further comments regarding your activities.

"MIRACLE MILE FUND DRIVE"

The Ak-Sar-Ben Club station WØEQU/Ø was in operation Sunday, March 28, 1965 to assist the Miracle Mile Fund Drive for Crippled Children.

The 2 meter link at 145.295 was established between the "Miracle Mile" office at the Omaha National Bank and the Red Cross Building at 39th and Dewey, the Base station.

The base station operating on 50.466 mcs. relayed the traffic to the mobile units. The mobile units picked up the funds collected by the volunteer workers and delivered them to the five stations for counting.

The following persons volunteered their time and equipment:

| | | |
|-------------------|--------|---------------------------------|
| Lou Cutler | WØVLI | 2 mtr. link Miracle Mile Hqtrs. |
| Steve Lustgarten | WNØJES | 2 mtr. link Red Cross Bldg. |
| Harold McClenahan | WAØDGA | 6 mtr. Base Red Cross Bldg. |
| Ed Donze | WØYEV | Mobile Dispatcher |
| John Roberts | WNØKPR | Message handler 'Red Cross' |
| Kurt Fischer | | Message handler 'Miracle Mile' |
| Jake Jacobson | WAØHUS | Mobile Unit 1 |
| Bud Smith | WAØICK | Mobile Unit 2 |
| Harry Silver | WAØDJK | Mobile Unit 2 rider |
| Barney Barnett | WAØCMK | Mobile Unit 3 |
| John Evans | WAØLMA | Mobile Unit 3 rider |
| Fred Fischer | WØEGP | Mobile Unit 4 |
| Cecil DeWitt | WØRMB | Mobile Unit 5 |
| Charles Michel | KØQVL | Mobile Unit 6 |
| Dick Eilers | WØYZV | Mobile Unit 7 |

Thanks to:

| | |
|--------------|---------------------------------------|
| Hugh Tinley | KØGHK for use of Red Cross Facilities |
| Royal Enders | KØLYO for use of 2 mtr. equipment. |

Mrs. Maguson and Mrs. Kinick, Miracle Mile Fund Directors wish to thank those who participated in the drive.

Traffic amounted to 70 messages and everyone was kept busy. I am sure the fine feeling of accomplishment more than offset the

poor weather conditions that prevailed.

I wish to thank all of you that made this exercise a success.

Fred Fischer
Chairman,
Mobile Committee
Vice President

Repeater Satellite OSCAR III has been delivered to the launching agency and the launch sked is expected to be this month.

A lot of v.h.f. amateurs have been readying their equipment so they may hope for two-way work and DX-via-satellite in the four-week period that the new Oscar is supposed to stay in orbit.

W7JRG, Ken, is among the local hams who are getting ready. He has arrangements with Casper hams (including Jim Howard) and others as far off as Dallas, Texas so that that skeds can be made. He will use his 40 watt 2 meter antenna into a circular pattern antenna. Ken mentioned, incidentally, that the Oscar Association requests that no high power rigs be used since this could capture the AGC of the satellite and render it inoperable for all other stations at that time.

The ARRL is seeking an FCC rule change, if possible, before Oscar is launched to restrict the lower 100 kc of 2 meters to cw in lieu of the present top of the band limitation. Canada's DOT has just modified its rules to permit only A-1 in the lower 100 kc of the 6 and 2 meter bands, a measure to assist weak-signal v.h.f.

The frequency for signals accepted by the satellite in a 50 kc bandwidth is centered on 144.1 Mc. The retransmitted signals will appear inverted at 145.85 to 145.95 Mc. W6ASH sends new information on the Oscar Worldwide Net on 7015 kc Fridays at 0300 and 0530 GMT and, after launch, the orbital predictions

will be sent nightly on 7015 kc cw, 7040 kc RTTY and 7205 kc ssb.

Depending upon the height achieved by the satellite, the relay ranges possible may be one to four thousand miles. Using station should have at least a five or six element Yagi, which must be trained on Oscar III and stable, sensitive receivers are essential. Timing the signals when first heard, slant range at time Oscar is closest and noting time the signal goes out, using Doppler shift to determine orbit and use the satellite...it's all challenging to all amateurs.

All club members can look for the beacon transmissions from Oscar III which bracket the part of the band in which relayed signals can be heard. Almost any 2 meter receiver or converter can receive Oscar bracket signals, we hope, and club members should get the signal and compare Doppler observations.

Check latest issues of QST for more on the technical aspects....and listen for W6ASH or W1AW for further news as it develops.

de Splatter

Yellowstone R. C.

Note: Oscar no longer transmitting.

**OFFICIAL BULLETIN NR 990
FROM ARRL HEADQUARTERS
NEWINGTON CONN JAN 28 1966
TO ALL RADIO AMATEURS**

The U. S. Supreme Court has refused to review the Federal Court of Appeals decision that the present FCC license application

fees are legal. ARRL was one of several groups who had asked for the review. The only remaining means of overturning FCC fees is through Congressional action.

Texas Representative Rogers will seek passage of a bill forbidding FCC to charge fees without the express authority of the Congress. Hearings were held on a similar bill last year but the bill did not reach the floor. See September 1964 QST and the March 1965 issue for complete details AR

FROM MABEL'S KITCHEN

Applesauce Cake

1-3/4 cups flour
1 tsp. baking soda
1/2 tsp. cloves
1/2 tsp. nutmeg
1 tsp. cinnamon
1/2 tsp salt
1/2 cup shortening
1 cup sugar
1 egg
1 cup applesauce
1 cup seedless raisins
1 cup chopped walnuts

Sift flour, measure and resift with soda, spices and salt. Cream shortening and blend in sugar. Beat in egg, then applesauce. Add flour mixture, stir in raisins and walnuts.

Bake 45 minutes at 350 F. This cake may be decorated with walnut halves before baking for a festive touch. It keeps beautifully.

de Florida Skip

EXCERPTS FROM THE LOG OF K4NVD...TAMPA

2330Z rcvd one Tampa, QNF
2346Z.

2350Z Fone call to addressee,
line busy.

2355Z Ditto.

2400Z Ditto.

0005Z Ditto (windy).

0015Z Still busy.

0030Z Not busy any more, no
such person at that number.

0035Z Checked phone book,
no such name listed.

0045Z Asked information for
number.

0055Z Information found number.

0100Z Made call, party not home,
babysitter declined to take message.

0130 Called again, babysitter
asked name and number to have ad-
dressee call on return, then threatened
to call police if I didn't stop bother-
ing her.

0200Z Called again with Chinese
accent, explained to addressee why
my voice abruptly changed, explained
purpose of call, explained delay in
calling, explained why son in Okinawa
might use Hamgram in place of
letter,...explained to husband of
addressee that hysterics were not
necessarily my fault, declined offer
to settle matter at his gym, read
telegram (finally), explained why
there was no charge, declined offer
of free meal, listened to details of
TVI complaint of two years ago,
re-read telegram and explained lack
of mailed follow-up, re-read telegram,
agreed to call back in ten minutes to
get reply, hung up.

REFLECTED AND DIRECTED

Ø22ØZ Called again, copied 227 word text, explained reasons for brevity, copied reduced text of 53 words, listened to details of son's life history, tore up second text, recopied 150 word text, shouted subject down to 30 words, reluctantly gave name and phone number so further messages might be sent, hung up. (Made note to change phone number.)

Ø3ØØZ QFN..late session.. passed Okinawa, repeated address, repeated text twice, QSY'd to avoid RTTY station, repeated text again, returned to net freq., sent resignation to net manager, he accepted as usual, QNF Ø355Z.

Ø4ØØZ In the bed, TCC sked comes early and I can't miss that sked. Heck, half the fun of hamming is traffic handling. I guess the other half is writing letters to the Editor.

K4NVD, Ross
de Florida Skip

March 24, 1965

Hi,

Please be advised that I have a *change of address*. I have completed my service with Uncle Sam and have moved back to Illinois.

Enjoyed your Club very much and made many new friends thru your Club. Hope to work some of them soon. 73's for now.

Yours truly,
Robert A. Zolecki
WA9KPI
KLK 1346
159th Street
Lockport, Illinois

When the Old Man (and by Old Man we are referring to Hiram Percy Maxim, WIAW, the founder of ARRL) used to write about "Rotten Operating" in the pages of QST, the membership read what he had to say because they knew that "T.O.M." -- whose identity was not revealed until after his death -- was the voice of authority. Maxim is dead these many years, but if there was a rumbling noise in Connecticut during the Florida Hurricane emergency, undoubtedly it was T.O.M. rolling over in his grave while the lids carried on "as usual" during the emergency.

The Florida gang seemed extremely well organized for the hurricane, perhaps because the price of their usual fair weather is an annual hurricane season. (It may be that they have a superior crew of organizers, including W4IYT/W4MLE, et. el.). The Florida SSB Net was cooking nightly in an orderly fashion on 3940 kc.; and they had the excellent sense to divert all agony traffic--the inquiries concerning welfare of individuals--to a separate net on a well-removed frequency.

Now, with propogation conditions what they are in this part of the sunspot cycle, Florida signals can be heard just about any place east of the Mississippi; AND THE CONVERSE IS TRUE. Signal from about any place east of the Mississippi can cause QRM in Florida. Since the Florida Hurricane emer-

gency was as well headlined as the Presidential election, would anyone but a LID go on the air without listening carefully for use of his intended frequency by an emergency net? Would anyone but a real LID go on the air on 75 phone with a receiver so insensitive he could hear local stations only? Would anyone but a LID operate SSB only 3 kc away from an emergency net, assuming every other station in the emergency area had a receiver available with 3 kc selectivity or better?

If there is a better (or should we say WORSE) way to put amateur radio's foot in our mouth before the government than to act like LIDS in an actual emergency, we don't know what it is. This new breed of amateur, --sometimes called the "pure hobbyist"--who says that amateur radio is only a hobby, is a breed that could very well be extinguished, or allowed to operate only in the UHF (Yes, UHF, not VHF!). Without reference to disagreement over RM-499, it is high time the FCC put some questions into every amateur license examination that would test the applicant's knowledge of what must be done, and what must NOT be done, in a communications emergency. Lids are a form of lice that we should lose rather than live with.

George Goldstone,
W8MGQ
(Stolen from Auto-Call)

10 METERS

Have you tried to battle the QRM on 40 meters lately? Are you about ready to give up and sit back hoping for a miracle? Well, don't - just give the old band switch about two more clicks to 10 meters. Tune up and down the whole band and listen to the quiet. You will notice no QRM and lots of room to QSY up and down the band.

About now you're about to say "don't bug me man" but wait a minute. If you are a fairly new Ham you won't know what 10 was like when the ether was in good shape a few years ago. Yes, some call it the good old days when 15 watts sounded as good as a KW.

de Jayhawk, K. C. Kans.

OFFICIAL BULLETIN NR 995 FROM ARRL HEADQUARTERS NEWINGTON CONN MARCH 4 1965 TO ALL RADIO AMATEURS BT

The Dominican Republic and the United States have agreed to permit reciprocal operating by amateurs of one country while in the other. U.S. amateurs apply in Spanish to the Director General of Telecommunications, Santo Domingo. Dominican amateurs apply under rules of Subpart G, effective March 29, on FCC Form 610-A. This agreement and a previous one with Costa Rica are under the authority of public law 88-313, which was S-920. Other agreements are being negotiated. Full details will appear in April QST AR

FLASH -- FCC ADOPTS RULES FOR ISSUING RECIPROCAL OPERATING PERMITS

Last May the President signed the bill amending the Communications Act so as to permit amateur radio reciprocal operating agreements to be entered into between the U.S.A. and other countries. The U.S. Department of State notified the embassies of 35 or 40 countries about the provisions of our laws, as amended, making amateur radio reciprocal agreements feasible.

December QST reported the conclusion of the *first* such agreement with Costa Rica. There also was a recent rumor, unconfirmed as of going to press with this bulletin, that the Dominican Republic had completed an agreement like Costa Rica's. However, all observers realized that much about the value of the new provisions depended on the practical forms and working arrangements. Good news, now! The FCC regulations have been completed and are announced to put the provisions into practice as amateurs visit our shores.

These FCC reciprocal operating rules for foreign amateurs becomes effective March 29, 1965, applying of course only where other countries are willing to conclude an agreement and provide reasonable reciprocity to visiting amateur operators from the United States. Details of FCC's new provisions appear in April QST. In brief (1) Application by the licensed foreign amateur will be made sixty days in advance on new FCC Form 610-A. (This will be available Mar. 29

from FCC and some U.S. offices overseas). (2) Copies of the home station and operator licenses must be furnished. (3) A U.S. address must be given; if mobile operation is intended, the expected itinerary

Permits (Form 660A) will be issued for a maximum of one year at a time from the Washington D.C. FCC office. Visitors must sign their home calls in English, followed by the appropriate U.S. prefix. The location must be given at least once during each contact.

OFFICIAL BULLETIN NR 994 FROM ARRL HEADQUARTERS NEWINGTON CONN FEB 25 1965 TO ALL RADIO AMATEURS BT

FCC has adopted reciprocal operating rules for foreign amateurs effective March 29. Application will be made sixty days in advance on new Form 610-A, available on March 29 from FCC offices and from some U.S. offices overseas. Copies of the home station and operator licenses must be furnished. A U.S. address must be given, and if mobile operation is intended, a rough itinerary. Permits will be issued for a maximum of one year at a time, from the Washington FCC office. Visitors will sign their home calls in English, followed by the appropriate U.S. prefix, giving actual location once during each contact. Full details will appear in April QST \overline{AR}

A HAM

By K3PXT, Carmen J. Diodati

Is a boy, a girl, a lady or a man. Is the kid down the block age 6 or the old gent pushing 80, their hobby knows no age limit, nor regard for race, color or creed.

Is the blind man who has wiled away many happy hours chatting with strangers across the ocean, or a few miles away.

Is the invalid, the handicapped, the shut-in who has a new zest for life and a sparkle in his eyes.

Is the retired bricklayer, the railroad engineer, or salesman who will not brood himself into an early grave. Each day is a new adventure, a new contact, a new friend and another tomorrow.

Is the guy with no technical training, he worked hard learning the code and theory to earn his license and the privilege of operating his own radio station. He's not a quitter, because quitters never become licensed.

Is the guy whose occupation runs the complete gammit from common laborer to renowned personalities.

Is the guy who stopped on a lonely road to render assistance to a stranded motorist, when gratitude and appreciation were extended, do the statement; do the same for someone else.

Is the guy who lost a day's pay and a night's sleep in order to maintain a communication link during a disaster with his personally pur-

chased equipment, without thought to compensation.

Is the guy who begs, borrows or swaps electronic parts for his station, he considers buying them sacrilegious, and the word buy, profanity; he's a scrounger, and with him it's an art.

Is the guy whose station cost a few thousand dollars or a dollar or two. His station is built from scrapped parts or the best that money can buy.

Is the guy who pays several hundred dollars for a commercially engineered and designed piece of equipment, then modifies and incorporates things he feels the engineers omitted.

Is the operator, a message handler, an experimenter, a builder or a combination of them all.

Is the guy who is responsible for many a budding scientist, and many a famous one.

Is the guy who rings your phone and states, "This is amateur radio service - I have a message from your son overseas."

Is the thinker, a tinkerer and sometimes a stinker.

Is the guy who almost made 4000 mobile contacts in one year, from a fixed station. Many of them were repeats of course, but then it's still a feat.

Is the guy who is proud of his call; it's on his house, his car, his clothes.

Is the guy who unselfishly aids aspirants to be a ham.

de Pack Rats

REFLECTED AND DIRECTED

Equipment Trends-----and Capability for Public Service

It takes an emergency pretty close to home to wake us up to certain of amateur radio's public service responsibilities. We certainly do not wish upon any amateur the presence of a tornado, but a few weeks ago, a savage twister passed about 9 miles north of the writer's QTH, dipped to the ground briefly, destroyed one house and the life of its occupant, and then hopped eastward another 15 miles to an area just north of Selfridge Air Force Base. There it did several million dollars damage in a few seconds - and snuffed out another eleven lives, as well as putting nearly every resident who lived through it into a hospital ward.

Every telephone and power line in the area was down; huge trees, felled by 300 mph winds, blocked the streets. Imagine such a nightmare in your own neighborhood; just what would you do for communications? If your basement was equipped with a fall-out shelter containing some hand-portable equipment, you might just be able to crawl out of the debris--and be able to talk to someone, provided there was some ham maintaining a watch upon the frequency covered by your little emergency rig. And upon this little "IF" the present amateur radio emergency plan seems to be falling apart.

We simply do not have a "local" traffic handling plan as a going Traffic handling -- the activity which

trains us for emergencies - is mostly confined to 80 and 40 CW and to a lesser extent, 75 and 20 'phone. Most 20 meter 'phone traffic, so-called, is nothing more than 'phone patching - an activity which might qualify one as an eaves dropper, senior grade, for having to monitor so many conversations which are no part of the amateur radio operator's business. 75 'phone seems to be the only 'phone band where traffic men know a preamble from an octagon. Listen and Compare!

Does the average amateur today give much consideration to possible emergency use of his equipment? Just how many ham receivers today have a plug on the rear apron to permit battery operation when AC is no longer existent? This was common practice in 1939--but no longer! The average pointed specifically toward his favorite type of operation. If he's a rag chewer, he wants VOX; a DX man, 20 SSB facility--plus 2 kw PEP, of course. The last thing the average ham wants seems to be the thing that might do us the most good - simple hand carried transceivers for local emergency communications. Who needs to talk to Little America, when some doctor only wants to ask for an ambulance a few miles away?

For local coverage, we should be training and equipping for 160 meters, plus 6 and 2 meters. No, did you ever see a 160 meter emergency rig in QST? The receiver could be a little tiny transistor unit, which can be bought for less than \$10.00, and modified to tune 160 meters. Transmitter? Suppressor

modulate a little battery operated pentode; or use a few cheap transistors! Note also that we are talking AM - because in truly local work in and about a typical local emergency area, fading is usually not a problem,

since everybody should be working on one or two channels for simplicity's sake, who needs the complexity of SSB? Or the problems of adjustment?

But turning from 160 meters to 6 and 2 meters. How many traffic men are to be found on the VHF bands? The Technician licensee can't copy more than 5 wpm, so they say -- and since they can't legally participate in the 75 meter 'phone nets, where are they going to get any practice? You can't buy experience; it isn't listed in the latest Allied Radio or Heath Catalogue. Now, there are a great many Technician licensees who avidly support 6 and 2 meter nets; they convert crystal controlled ex-police gear; and many VHF clubs of hand-carried transmitters-receivers. Hooray for them! They are doing what we all ought to do; they are preparing equipment for a local emergency -- and the emergency that effects YOU, YOUR FAMILY and YOUR NEIGHBORS. They are able to walk into an emergency where a mobile KWM-2 can't go, all on their own two feet Working into an NCS that could well be another battery unit in the Red Cross HQ tent -- hams so equipped can render a true public service to their community.

One last comment: Should Technician licensees be permitted to vegetate indefinitely on 6 and 2?

Can't THEY have an incentive program, such as non-renewability of the Technician class license. Or perhaps a withdrawal of 6 and 2 meter privileges at the end of the 5-year license term, thus permitting the license to continue operating, but only on 420 Mc/s and above! Let's do something to get our real technicians (small t) into at least the General Class of licensees -- and at the same time, get a larger percentage of our operators ready for emergency operation on a purely local basis.

George Goldstone,
W8MGQ
1010 Burnham Road,
Bloomfield Hills, Mich.

de Auto-Call

**OFFICIAL BULLETIN NR 998
FROM ARRL HEADQUARTERS
NEWINGTON CONN MARCH 25 1965
TO ALL RADIO AMATEURS BT**

Bolivia and the United States have agreed to permit reciprocal operating by amateurs of one country while in the territory of the other, effective April 14. The U.S. has previously signed similar agreements with Costa Rica and the Dominican Republic, and has long had a separate treaty of similar purpose with Canada. Other agreements are being negotiated. The Postmaster General of the United Kingdom recently announced his willingness to permit U.K. operation by amateurs of other countries on a reciprocal basis. Further agreements will be announced by bulletin as information becomes available AR

Dear Sir:

Coming this June on Field Day WAØLMA, WNØJES, WNØKPR, Kurt Fischer, and Bill Fries, will operate 80, 40, 15.2 CW and AM. The object of the station is to make use of the many bands not used by the general stations. If WNØJES or WAØLMA do not get their generals, it will be only CW but let's all hope John and I do.

Yours truly,
Steve Lustgarten, WNØJES
Soon to be WA

A FEW NOTES OF INTEREST regarding new FCC policies (and we haven't seen any of these mentioned in any of the publications yet!): if you let your license expire beyond the one-year grace period, you won't be able to get your call back without paying \$20. for the privilege. If you are a Novice and fail to pass your higher grade exam before the end of the Novice year, you will lose your call and be given a new one upon passing the General or Conditional exam--unless you pay \$20. to get your old call back. A friend of ours took his higher exam 2 days after his Novice year ended, passed it, but lost his old call in the process--the computer heartlessly ground out a new one. In this case, fortunately, the old call wasn't worth the \$20, so he is attempting to reidentify himself under the new call.

(de W4KFC es Auto-Call)
de Splatter
Yellowstone R. C.
Billings

IDEAS

Having trouble finding the note made to remind you of a schedule, etc. Your troubles will be over if you purchase a blackboard, put it on the wall and jot your notes on it. Size of the blackboard depends on your needs.

Hookup Wire Spools can be made from adhesive tape spools or typewriter ribbon spools. These can be mounted on the wall by inserting a dowel through the center and making a gizmo to hold it up there.

Ear syringes make pretty good miniature blowers for those hard to reach corners.

(If you have an idea, no matter how small, pass it along).

de Pine Ridge ARC
Chadron, Nebraska

(Editor's Note: Send your ideas into Ham Hum. Pine Ridge ARC can steal them from us, the same as we stole these ideas from them.)

The Federal Diary in the Washington Post tells about a Post Office notice that this is the season in which bees will be sent through the mails. The article ends: "There is nothing in the manual on it," an aid said, "but if they happen to drop and break a carton of bees, it is our unofficial practice to run like hell." (de Auto-Call)

de Splatter
Yellowstone R. C.
Billings

"To the extent that the amateurs take their activities seriously and carry out thoughtful and consistent experimentations, they will continue to benefit the radio art and contribute not only to its developments but also to their own operating efficiency and reliability of communications." (de a report of the Joint Technical Advisory Committee of the IEE and the EIA.)

**OFFICIAL BULLETIN NR 997
FROM ARRL HEADQUARTERS
NEWINGTON CONN MARCH 18 1965
TO ALL RADIO AMATEURS BT**

OSCAR Three continues in operation, with new two meter records being made daily. At least two transcontinental contacts have been made. W6NLZ worked K2GUG and K4IXC worked K6HMS, apparently both on orbit 35. W1BU worked DL3YBA on orbit 61. WA6MGZ worked KH6AQP on orbit 64 and KL7CUH on orbit 65. W6QJW worked LU3DCA on orbit 69. The translator passband contains many signals in every pass within 1200 miles of populated areas. It appears that some DX oportunities are being missed because amateurs neglect orbits far out over the Atlantic and possibly over the Pacific. These are favorable for stations having low radiation angle arrays incapable of being elevated. Because of the high orbit, the effective range for communications is considerably greater than was first anticipated AR

**OFFICIAL BULLETIN NR 996
FROM ARRL HEADQUARTERS
NEWINGTON CONN MARCH 11 1965
TO ALL RADIO AMATEURS BT**

Oscar Three was successfully launched into orbit at 1830 GMT March 9. It is in an essentially circular orbit at an altitude of 502 miles, with an inclination of 70 degrees and an orbital period of 103.5 minutes. The translator passband is approximately 10 kc. lower than originally planned. A confirmed contact between K9AAJ and K2IEJ was reported on the thirteenth orbit, as well as numerous contacts between other call areas. European contact between HB9RG and DL6EZA has also been established. W6EE, the Oscar station, transmits corrected orbital data at 0000 and 0100 GMT on sideband, followed by RTTY then c.w. on 3810 7205 14,300 7040 14,080 7015 and 14,030 kc. From 0400 to 0700 GMT W6EE will be on 3810 to collect information. Mail reports should go to Project Oscar, Foothills College, Los Altos, California. WIAW will continue to carry latest Oscar information as received AR

Asked by his American host if he wanted anything after his tour of New York, an Englishman said, "Yes, I want something tall, cool and full of gin."

"Fine," said the American, "come meet my wife."

de Auto-Call



Leo I. Meyerston
W6GFO

LEO SAYS: BUY DIRECT AND SAVE BIG ON THESE WRL HAM EXCLUSIVES

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WVG MARK II ALL BAND VERTICAL ANTENNA

Low cost — self-supporting 10-80 meter antenna. Tunes 3.5 — 30 Mc with manual tap adjustment. Feed with 52 ohm coax. Quick installation. Amazing efficiency for DX or local contacts. Used as portable antenna also.

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TECH-CEIVER 6A

Low cost, compact, 6 meter transceiver

Stable superhet receiver. 5 watt transmitter, featuring PTT, using std. (Ft 243) 8 Mc range xtals, non-critical coils, plate modulation, power and modulation indicators, 10 tube performance. Step-by-step manual included. Wt. 9 lbs. 115 VAC Power supply (kit) — 15.95.

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- Sensitivity — better than 1 UV

only
\$39.95
kit

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Universal Power Supply: Powers most AM rigs up to 100 watts, SSB units — up to 200 watts, PEP. Silicon rectifiers provide both 300 VDC & 600 VDC @ 300 Ma., ICA S (210 watts total), plus 6 VAC @ 10A or 12 VAC @ 5A, plus 95 VAC @ 10 Ma. Size 11 1/2" x 4 3/4" x 6". Wt. 15 lbs. Kit — 24.95, Wired — 39.95. Opt'l cabinet — 4.95.

- Use with 30-200 watt XMTS—XCVRs
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DUO-DOUBLET 84



NEW 80-40 meter dipole using proven parallel dipole principle to resonate on both bands. Requires only one 52 ohm feed line (coax not supplied). Kit includes wire, insulators, center connector & full instructions. Complete formula supplied & quick graph chart for easy adjustment. May be used on 15 meters also. SWR: Better than 2:1 at resonance — 80/40. Max. length — 123 ft.; 140 ft. for lowest CW range. Easy to install. Wt. 4 1/2 lbs. Shipped Parcel Post.

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One Feed line

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Shielded ignition. 1250 Watts, 115 VAC, 60 cy., 77 lbs. (FOB Milwaukee, Wisconsin)



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- Self Powered
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PA50-2 Stage preamplifier for 6 meters. Use 2 RCA 6CW4 nuvistors. Highest grade glass epoxy board. Assembled and pre-aligned for 50 ohm input-output. Requires 60-120 VDC @ 10 MA. & 6.3 VAC. Size 2 1/4" x 2 1/4". Wired **\$6.37**
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