



HAM HUM

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September 1965

OCTOBER MEETING

Next meeting of the Ak-Sar-Ben Radio Club, Inc. will be held at 8:00 P.M. on Friday, October 8th, at the 4-H Building, Ak-Sar-Ben Field.

Harry Snyder, WØNVE, of Fremont, Nebraska will give a talk and show slide pictures on Navy Station NAA (megawatt VLF).

Plan now to attend this meeting as we know it will be an interesting one!

ADDRESS CHANGE

Dear Ak-Sar-Ben Radio Club:

Had to move to West Point, New York. Miss Omaha and the gang. Sorry I missed field day.

Enjoy the Ham Hum and the pictures of Omaha shacks.

Please change my Ham Hum address to Qtrs. 116, West Point, New York.

73,

Jake, WAØHUS

AMATEUR "EXTRA" AND/OR "GENERAL" CLASS LICENSE COURSE TO BE HELD AT UNIVERSITY OF OMAHA

Alan H. McMillan, WØJJK, will be the instructor for the AMATEUR "EXTRA" AND/OR "GENERAL" CLASS LICENSE course to be offered at the University of Omaha for amateurs in the Omaha-Council Bluffs area. The class will start Tuesday, October 12th, and will be held each Tuesday night thereafter for twelve weeks, for two hours from 7:00 to 9:00 P.M., in Room AA-261. Cost of the course will be \$35.00. The course will cover theory only - no code.

Registration is now open at the Information Office of the Administration Building, Room 132, University of Omaha. Anyone interested should REGISTER NOW as the class will be limited to 35-40.

For further information contact Alan H. McMillan, WØJJK, (Council Bluffs 323-3937) or Hugh L. Tinley, KØGHK, (Omaha 391-1257).

HAM HUM is the official organ of the Ak-Sar-Ben Radio Club, Inc., of Omaha, Nebraska, mailed monthly to all members and to others upon request.



AUGUST MEETING

The meeting held at the 4-H Building on August 13th was well attended. Our thanks to Lou Cutler, WØVLI, who arranged for the films which were shown - SCATTER RADAR and POLAR BLACKOUT. Both were very much enjoyed.

I'm looking for some old type tubes in order to restore old model Atwater-Kent receiver. Need 1 each '26, '27 and 71A. Willing to pay reasonable but not exorbitant price for these or would trade something of equal value.

John Snyder, WØWRT
556-1538 or
551-0669 X-517

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NEW ADDITIONS TO ROSTER

Mike Rosenbaum, WAØMWZ
840 Dillion Drive
Omaha, Nebraska 68132
Phone: 553-2575

Randy Whiting
1022 North 63rd Street
Omaha, Nebraska 68132
Phone: 553-0048

Hi fellows:

I need an antenna relay system for the shack. Anyone having a coaxial antenna relay please call me at 391-5461.

See you later.

WAØJES
Steve Lustgarten

AREC NEBRASKA

Sarpy County AREC - 6 meter net 50.478 Mc. - 7:00 P.M. - Sunday
Acting NCS - WAØEHH

Sarpy County CD net - 50.550 Mc. - 8:00 P.M. - Monday
Acting NCS - WAØLLQ

Sarpy County AREC - 2 meter net 145.350 Mc. - 9:00 P.M. - Thursday
Acting NCS WØWRT

Senator Pastore's committee hearing on the bill mentioned in the Official Bulletin (NR 12) (see July 65 Ham Hum) indicates that FCC's objective was to prescribe technical standards for industrial heaters, garage door electronic controls, low power walkie talkies and other single frequency or narrow-band equipment. The ARRL would emphasize broad-band devices such as power lines and vacuum cleaners. This is a good point to include in the bill... we have an instance here in which a defective refrigerator control is keeping a ham off the air (he just can't hear thru the QRN) and is messing up TV for people for blocks around. But friendly requests and even offers to have the control replaced fall on deaf ears.

de SPLATTER
Yellowstone R.C.

FOR SALE

Gonset 66B receiver
Gonset 77 Transmitter and all accessories. Price: \$195.00

Larry Sibia, WØAPX
11514 Hickory Road, Omaha
Phone: 333-7892

The human brain is wonderful. It starts working the moment you get up in the morning and doesn't stop till you get to the FCC Examiner.

de Yellowstone R.C.

LIONS CLUB OF OMAHA FOOTS PHONE BILLS

All summer the Red Cross station maintained daily schedules with KR6GF. This is the ham station of the 3rd Marine Division on Okinawa. The 3rd Division actually is in Vietnam. Their rear echelon is on Okinawa and a good share of the lads who are wounded are sent back there to the hospital.

On Okinawa a phone line was set up between the hospital and the amateur station. Two amateurs would go to the hospital each day and bring the wounded fellows to the telephone on stretchers, wheel chairs, or with a three hundred foot extension on the hand set of the telephone. These wounded Marines could then talk across the Island by telephone line and by radio 7,000 miles across the North Pole to Omaha, Nebraska. Here we would then transfer them to the phone lines and send them around the country so they could talk to their folks. The cost for the telephone calls from Omaha was paid for by members of the Omaha Lions Club.

After we had been at it for a month or so everybody became very efficient and the calls went through like clockwork. The telephone operators were exceptionally capable and their work on these calls was truly remarkable. After a few weeks these girls became so sharp that they kept a continual string of calls going and all that

was necessary at the Red Cross was to identify the station at periodic intervals.

The letters of appreciation that poured back to the Lions Club and also to the Commanding General of the 3rd Division on Okinawa were heartwarming and made all of the work and effort really seem worthwhile.

It was interesting that the Lions Club *members* actually picked up the charges for these calls and not the club itself. What we were able to do was charge to the Omaha companies that had members in the Lions Club the cost of these calls. The following firms authorized us to handle this:

Avery Optical Dispensers
Carl S. Baum, Druggists
City Glass Company
J. L. Brandeis & Sons
Farmers National Company
Frito-Lay, Inc.
Geo. C. Mittauer & Assoc.,
Elec. Equip.
Hinky Dinky Super Markets
Northern Natural Gas Company
Omaha Association for the
Blind
The Omaha National Bank
Omaha Transit Company
Roberts Dairy Company

Though there is little that is funny in uniting a wounded nineteen year old boy with his mother, there were some humorous and really hilarious moments. For example, there was the case of a rather intimate conversation between a New England wife and her Okinawa-based husband. After professing their love for considerable time

the service man poses the question "How's Patricia?" "Who's Patricia?" replied the woman. It turned out they had hooked up the wrong couple. The situation was quickly remedied when it was discovered the right husband was near by.

Everyone has been extremely helpful. Some of the largest research outfits in the country supplied us with propagation figures. The Bureau of Standards has helped and so has SAC.

Tuesday (September 14) the Marine Corps through Captain S. R. Smith presented the Lions Club with a beautiful plaque as tribute of thanks for their part in the handling of these patches. At the same time the Marine Corps recognized the service of Omaha Amateur Radio Operators for their dedication and willingness to lend a hand in this project.

The Lions Club and World Radio Laboratories then presented to the Red Cross a complete new amateur station. This is the GALAXY 5, external VFO, calibrator and VOX, console, phone patch, directional watt meter and final amplifier. HY-GAIN helped with a new 15 meter beam.

The military services are targeting the Red Cross Station here for a sizeable volume of overseas traffic for the years ahead.

I am enclosing copy of a letter from General Henderson which is self-explanatory.

Cordially,
Hugh Tinley, KØGHK

HEADQUARTERS
3rd Marine Division (Rear); FMF
c/o Fleet Post Office
San Francisco, California 96601

20 August 1965

Mr. R. C. Olds
President
Omaha Lions Club
7685 Hickory
Omaha, Nebraska

Dear Mr. Olds:

I take great pleasure in forwarding the enclosed plaque in appreciation of services rendered personnel of this Division by the Lions Club of Omaha.

By your sponsorship and support of the Omaha Radio Operators, you have made it possible for personnel of the 3rd Marine Division to spend many happy moments of pleasure conversing with their loved ones through the services of the Amateur Radio Network.

I can assure you that we are grateful to the Omaha Amateur Radio Operators for their dedication and willingness to lend a helping hand in initiating connections and monitoring long distance calls to various sections of the Middle West and East Coast. The majority of these calls are handled through the Omaha operators.

Sincerely yours,

(Signed) MELVIN D. HENDERSON
Brigadier General, U.S. Marine Corps
Commanding

Following are excerpts from some of the letters received by the Omaha Lions Club:

"I am so grateful to know there are people like you in this world willing to go out of your way to make other people happy. It reaffirms my faith that the world can't go wrong as long as there are men like you in it. I just wish I could thank every one personally that had any part of bringing this call to me."

"How wonderfully your Omaha Lions Club implements its motto 'We Serve.' May God bless these fine volunteers (both Lions and Marines) who make these calls possible. To all of you, our sincere thanks and heartfelt gratitude."

"You have no idea how much the Marines of the Third Marine Division appreciate the wonderful job that you and the Hams of Omaha Lions Club are doing! Next to a hot shower and a cold drink, I think everyone looks forward to their Ham call home, when they return from Viet Nam. I know I did."

"Military commanders are constantly concerned about the welfare, morale, and spirit of their men, and your service is an immeasurable aid to all of us."

"I can never express the gratitude I feel for that call. My husband was so seriously ill and we had lived from one hour to the next for news as to his condition and progress. All the wonderful people involved in this work can't possibly know how deeply grateful I am. Thank you from the bottom of my heart."

"You couldn't begin to know how happy you made me. It was like waiting for something you always wanted but couldn't have. May God bless all of you for doing such a wonderful thing. I will remember all of you in my prayers."

"It is hard to find the right words to express the happiness that was given me the morning I received the call from my son. It was a new experience - but one that shall never be forgotten. It is always a thrill to hear the voice of a loved one and more so when they are so far away. It is a wonderful project that you have and it must be very gratifying to know that the men of your organization are bringing happiness into other people's lives."

"Can any words tell how grateful I am in being able to talk to my son who is so very far from home. I wish I could find the words to thank you with."

But all I can think of is 'thank you' and God Bless you.'

In addition, many such letters many such letters have been received by the Red Cross and the Amateur (C) ion here. Our special thanks go to those members of the Ak-Sar-Ben Radio Club who have assisted Hugh Tinley in this project. We could use more help. Any of you who are so inclined to perhaps take a turn at the Red Cross transmitter, or even to handle some of the calls from your own transmitter, get in touch with Tinley or jot your comments on the card enclosed and mail it to the Club. We could be most appreciative of your help.

Many ham operators have gotten into the habit of adding a few extra call letters into their call...they do it inadvertently, not realizing that they are possibly in line for a OO citation or FCC reminder. How is this happening? Stations have been noted doing the following...This is W4NU "and a" T, heard far out there in radio land it reads W4NUNT, those of you with a "N" in your call have to be particularly careful. In giving your call be concise and (C) act. Avoid any phonetics, give call straight out with no embellishments.

A. Sidebander...W4NUT,
de Florida Skip

THE OLD GROUCH

It is very apparent from reading the various periodicals aimed primarily at the ham fraternity, that the trend towards "push-button appliance operation" is destined to increase and include a landslide of interest in commercially produced single-sideband equipment.

One of the bases specifically cited by the FCC for authorization of the Amateur Radio Service is the creation of a (partially) trained reservoir of personnel available to the U.S. Armed Forces in national emergencies. Insofar as strictly operation is concerned, the trend should have little deleterious effect on the situation, since the Armed Services in general are adopting new equipment of types to which the "push-button" appellation can well be applied. One factor which should not be overlooked, however, is the fact that the maintenance and adjustment of such equipment requires the services of highly trained personnel, in numbers actually far exceeding those required for the mere operation phase of the situation. It should also be noted that both the Army and Navy have recently re-proclaimed their acknowledgement that CW telegraphy is the basic method of radio communication; the Air Force has, apparently, pinned their reliance entirely on SSB radio-telephony.

At one time, the Army Signal Corps welcomed licensed Amateurs into their ranks, knowing that they could be trained with a minimum of

effort, to become valuable in both the operations and maintenance phases of Signal Corps responsibility. This attitude has, however, materially changed in recent years and it has been stated to me by officials in a position to know that little or no advantage is now gained from assignment of amateur licensees; it is practically as easy and cheap to train raw recruits with no electronic background as it is to train "hams."

If no other reason exists for a recommendation that the amateurs raise their general level of training and ability, that should clinch the argument!

The Old Grouch
de Auto-Call
Washington, D.C.

FOR SALE

Telegraph keys (2) J-37
Johnson Headphones
Twin lead lightning arrestor
Coaxial lightning arrestor
Crystals
Novice 15 and General 40
6 meters 8412 and 8423
Novice 80 meter
Ready made dipoles for any band.

WANTED

73 for March "63"
Call any time
391-5461
Steve Lustgarten, WAØJES
4417 N. 78 Avenue, Omaha

It's A Fact By W4NUT

Lest there be any misunderstanding, the writer of this column does not hold anything against AM'ers, I write just those facts that I believe will be helpful interesting to the average amateur radio fan.

As an example the November 64 SKIP had a paragraph or two about a report from a P.O.S. (Panel of Experts) whom I believe were appointed by the 1959 Geneva Conference. In effect that DSB and AM should be discontinued by 1970.

I am sorry that some AM'ers have taken this as a personal dart thrown by me. I am only pointing out the trend, and the hard shell DSB gang should take the clue.

Look in the exchange sections of ARRL, QST, CQ, SKIP and many other publications, try to trade some of your multi-hundred dollar AM equipment to the local or out of town dealers. You will be awfully surprised at the offers you will get if you are lucky. They will be a small fraction of your cost, even though you have possibly just finished paying for it. I know as I speak from experience. In 6 months I personally took a 300 dollar beating on a SX101-A. It is a matter of saving a dollar or two.

As the few years between now and 1970 elapse the moving of this equipment will become more and more difficult. Look at the manufacturer advertisements in all of the publications. You will not find very many AM rigs advertised

for sale new in the 160 to 10 meter class.

Now comes the fish hook, in June of 1964, Harrison Radio of New York was advertising Hallcrafters HT-32-B at a special deal. I was in NYC at the time and stacked on their sales floor were literally dozens of the HT-32-B for about 40% less than factory recommended amateur net. You could practically write your own deal. All new and fully covered by Hallcrafter warrantees, etc. This took a shot at the SSB boys as well as the AM'ers. Want a reason? In one word. Miniaturization.

Who needs so much iron, progress is moving along at great leaps and bounds. We are antiquating before delivery. This is good for progress, but it sure is hell on the pocketbook.

Now for a real shocker, to those of us that have some or all Collins gear in the shack, and possibly are buying it via the easy payment plan. You can look for a rush to unload the S line as the complete Heath line can be bought for slightly under the cost of the 32S3, this includes a better than average receiver, a better than average transmitter, and a better than the 30L1 linear, all for \$790.00.

Many hams who have bought the S line and still owe more than \$500.00 on it will see the light and the rush will be on. So to you hams and those that have been offended by what I feel are the facts, I do not have an ax to grind.

I try to report what I see and the trends that are going on right

at the moment, and these are modernization, miniaturization, move to more modern use of the allotted ham bands via space saving techniques, SSB. And if through reading and possibly saving a buck or two, this piece It's A Fact has helped you. I am pleased and my efforts are not entirely in vain.

* * *

Those of you that might be considering the purchase of some AM-FM music equipment for Christmas, check and try to obtain a FM tuner with what is classed as the Sub channel position. This SUB setting will allow you to tune in local FM stations and only music will be heard, no advertising, no news reports, no chit chat. This SUB channel is used by business houses for music only programming that will allow the insertion of their own adds. I think it is just the picking of the other sideband of multiplex operation, the one without talk!

de Florida Skip

Hi Gang:

I want to sell my S-38C and 40 meter dipole antenna so I can get enough money to get on the air with a Commanche and Cheyenne receiver and transmitter. Anyone interested in buying the S-38C or selling the above, call Billy Fries, WNØMNO
393-0564

7906 Meredith Ave.,
Omaha

ZERO BEAT

By W8HHS, Doug DeMaw
Editor WHFER
10598 Peninsula Drive,
Traverse City, Michigan

Being properly licensed to operate a "ham" station, having a clean signal and remaining within the confines of prescribed frequency boundaries as set forth by FCC, is not always sufficient to make you completely "legal" with regard to Federal Laws.

The improper use of call signs by even the most "seasoned" operators is startling, to say the least. Although citations are less frequently given on the VHF and UHF bands, (due to limited propagation and the lack of O.O.'s) improper call sign usage is the mark of a "sloppy" operator.

Phonetics are legal...only if used correctly. They are unnecessary for the most part and should be used only in instances where readability is a problem. The prescribed manner is to give the other station's call sign first and your call sign last. e.g.-K7AAD, this is W8HHS calling...or, K7AAD, this is W8HHS standing by. Under difficult conditions it is acceptable to say, "W8HHS, this is K7-Able...Able...Dog, K7AAD calling and stand by." It is not only foolish to to phonetically spell out the other fellow's call letters...it is unnecessary. After all, he knows what HIS call sign is! Yet, station after station uses phonetics (sometimes rather juvenile at that) when giving the other fellow's call as well as their own. If phonetics must be

used, your call sign must be given as K7AAD just prior to standing by. Your call sign must be the last used following any transmission. It is ILLEGAL to put your call sign first and the other station's last. e.g.-"This is W8HHS calling K7A and standing by." Yet, you hear this being done time and time again on the bands. An A-1 operator would not be guilty of this practice.

Another highly illegal but frequently practiced "boo-boo" is carried out by the "cutie pie" operator. He can be heard to say (using his call sign), as he stands by, "W8HHS this is K7A-A and a D." He might be heard saying this, "W8HHS, here is K7 "Awfully-Awfully-Delightful," or some such childish thing. It is ILLEGAL as well as being characteristic of "lidism." There seem to be guys who lie awake nights thinking up silly phonetics for the call signs of fellow hams. This sort of thing is O.K. for the club "smoker" or ham picnic maybe, but has no place on the air.

The other fellow's call must be used in its entirety too. I've had a number of fellows who know my call sign as well as their own, who insist on coming back to me with, "8HHS (or W8HS), this is K7AAD." (Loren's and my call signs used only as examples in this text).

In qualifying for a ham license knowledge of proper call sign procedures must be proven. Why then do these violations continue? Amateur radio is a serious pastime. The same skill and effort used in

propagating a DX signal should be exercised in maintaining good operating habits. Fun and games have no place on the air if you consider yourself a serious amateur operator.

Smut and vulgarity have their place too...but not on the air. I was in a net for a year once (in another call area) and one of the net members had a call sign ending in "IPV." He insisted on saying, "this is W-I-Pee-Vigorously. In reality he was the only net member who was amused by this. I have heard suggestive phonetics much worse than this too...and used on the air!

A little serious effort to clean up our operating habits will keep all of us legal, create better worldwide images of the American amateur and give us the satisfaction of knowing we are not "lids."

**OFFICIAL BULLETIN NR 14
FROM ARRL HEADQUARTERS
NEWINGTON CONN JULY 8 1965
TO ALL RADIO AMATEURS BT**

A reciprocal operating agreement is now in effect between the United States and Australia. Amateurs of one country visiting or residing in the other may obtain permission to operate their own amateur stations there. The United States has previously reached such agreements with Belgium, Bolivia, Canada, Costa Rica, the Dominican Republic, Ecuador and Portugal. Many others are being negotiated and successes will be announced as they occur AR

**THE TEN COMMANDMENTS
OF ELECTRONIC SAFETY.....**

1. Beware of the lightning that lurks in an undischarged capacitor lest it cause thee to be bounded upon thy backside in a most ungentlemanly manner.
2. Cause thou the switch that supplies large quantities of juice to be opened and thus tagged, so that thy days may be long on the earth.
3. Prove to thyself that all circuits that radiate and upon which thou workest are grounded, lest they lift thee to a high frequency potential and cause thee to radiate also.
4. Take care that thou use the proper method when thou takest the measure of high voltage, that it will not incinerate both thee and the meter, for verily, though thou hast no account number and canst be easily replaced, the meter doth have such and shall bring great woe upon the supply department.
5. Tarry not amongst those who engage in intentional shocks, for they are surely nonbelievers and not long for this world.
6. Take care thou tamper not with interlocks and safety devices for this shall incur the wrath of thy seniors, and unleash the fury of the safety officer down upon thy head and shoulders.
7. Work not with energized equipment; for if thou dost, thy buddies will surely be buying beers without thee, and thy space at the bar will be filled by another.

8. Verily, verily, I say unto thee never service high-voltage equipment alone; for electric cooking is of slothful process, and thou mightest sizzle in thine own fat for hours before thy Maker seeth fit to end thy misery, and draw thee into His fold.

9. Trifle not with radioactive tubes and substance lest thou commence to glow in the darkness like a lightening bug.

10. Commit thou to memory the work of the prophets which are written in the instruction books, they give thee the straight dope and steer thee away from error.

From "Grounded Grid" via Tec-Ni-Chat "Chit Chat" and via Central Kansas RC "INK"

**OFFICIAL BULLETIN NR 17
FROM ARRL HEADQUARTERS
NEWINGTON CONN JULY 29 1965
TO ALL RADIO AMATEURS BT**

ARRL continually receives requests for schedules of stations sending code practice on the air. Amateurs who are maintaining extended code practice schedules are asked to file information with the ARRL Communications Department, indicating frequency, days, speeds and times. In setting up such schedules care is suggested to avoid conflict with net frequencies and times. For your convenience ask for Form CD 62 in filing information. Write to ARRL, 225 Main Street, Newington, Connecticut 06111 AR

THE CONFLICT OF POWER

By Mike McNea, WA4REU
1201 S. Courthouse RD., Arlington, Va.

The use of power in amateur radio has been a subject of controversy. Articles have been written on both sides, and they represent two schools of thought. The advocates of high power say that they need their gallons to work that rare DX through the pile up. That may be so, but I wonder if the three DB difference between 500W and 1000W is that important. The opponents of high power contend that the use of high power is wasteful, causes QRM, and that oftentimes a KW is being used to do the same thing that can be done with 100 watts. But all proposals are based on INPUT POWER. Input power is not really the important measure. What really counts is how much power is getting out of the rig and into the antenna and is being radiated. It matters little to the guy at the other end whether you are running 750 or 1000 watts input if you are only getting 500 out. There should be more attention paid to power output and final efficiency, rather than on how high the plate meter can be pushed. But the most efficient linear isn't worth a burnt out 5U4 if it is connected to a poor antenna. I feel that the amateur regulations should be modified to govern power output, not power input. This idea is not new, all broadcasting stations abide by similar regulations. The details and power limits would have to be decided by the amateur fraternity and the FCC, but the adoption of a power output

regulation would be a step in the right direction for amateur radio.

* * *

From FCC "General Information."

An amateur radio operator complained of a strong and steady signal on an amateur band. The case was referred to the FCC monitoring station at Kingsville, Texas, and the direction-finding net of four monitoring stations went into action. It not only fixed the origin in the Houston area but identified the cause as an idling transmitter. An FCC engineer in a mobile unit from Houston traced the offending transmitter in the home of another amateur. The inspection resulted in several violation notices, including failure to notify the FCC of a change of address.

from Auto-call, Wash. D.C.

**OFFICIAL BULLETIN NR 18
FROM ARRL HEADQUARTERS
NEWINGTON CONN AUG 5 1965
TO ALL RADIO AMATEURS BT**

All amateurs are invited to participate in the ARRL September Frequency Measuring Test, September 9th. Signals for measurement will be sent simultaneously from W1AW 0130 GMT September 9th on approximately 3505, 7060 and 14,047 kc., and at 0430 GMT on approximately 3512, 7020 and 14,065 kc. Complete details will appear in September QST. With increasing needs to observe and certify signal deficiencies to promote clean operation on amateur bands, SCMs invite experienced amateurs to apply for Official Observer positions AR

**OFFICIAL BULLETIN NR 19
FROM ARRL HEADQUARTERS
NEWINGTON CONN AUG 12 1965
TO ALL RADIO AMATEURS BT**

A reciprocal operating agreement is now in effect between the United States and Luxembourg. Amateurs of one country visiting or residing in the other may obtain permission to operate their own amateur station there. The United States has previously reached such agreements with Australia, Belgium, Bolivia, Canada, Costa Rica, the Dominican Republic, Ecuador and Portugal. Many others are being negotiated and successes will be announced as they occur AR

**OFFICIAL BULLETIN NR 21
FROM ARRL HEADQUARTERS
NEWINGTON CONN AUG 26 1965
TO ALL RADIO AMATEURS BT**

At the request of the Danish government, call signs of U.S. amateurs in Greenland are being changed and the prefix KG1 will no longer be used. Individual U.S. amateurs will have calls in the block OX4AA through OX5ZZ and may not handle third party traffic. Two special MARS stations will have the amateur band calls XP1AA and XP1AB and are the only ones permitted to handle third party communications. This information will appear in the October issue of QST AR

**OFFICIAL BULLETIN NR 20
FROM ARRL HEADQUARTERS
NEWINGTON CONN AUG 19 1965
TO ALL RADIO AMATEURS BT**

Canadian amateur rules have been changed effective immediately as follows. The frequencies 50.0 to 50.05 and 144.0 to 144.1 Mc. are restricted to A-1 emission only. The permissible power input, except in the 1.8 to 2.0 Mc. band, is raised from 750 to 1,000 watts, on condition that no interference is created to other services thereby. Maritime mobile operation on the high seas is now permitted on the entire 14, 21 and 28 Mc. bands and additionally on 7 Mc. within ITU Region Two, roughly the Western Hemisphere. Frequency swing permitted to amateur f.m. stations in 52 to 54 Mc., 146 to 148 Mc. and higher bands is now plus or minus 15 Kc. Further details on changes to the Canadian regulations will appear in October issue of QST AR

**OFFICIAL BULLETIN NR 23
FROM ARRL HEADQUARTERS
NEWINGTON CONN SEPT 2 1965
TO ALL RADIO AMATEURS BT**

The United States has signed two more reciprocal operating agreements, with Peru effective August 11 and with Sierra Leone effective August 16. Amateurs of either country visiting in the U.S. may obtain

**OFFICIAL BULLETIN NR 22
FROM ARRL HEADQUARTERS
NEWINGTON CONN SEPT 2 1965
TO ALL RADIO AMATEURS BT**

Another opportunity for 432 Mc. communication by way of the moon will be available to properly equipped stations on September 25. The SRI Amateur Radio Society, WA6LET, will be using the Stanford 150 foot parabolic reflector from 1430 to 2400 GMT. Transmitting frequency will be 432.0 Mc. They will listen from 432 to 432.05 Mc. Power output will be 600 watts, c.w. and s.s.b. The antenna is right hand polarized. The receiver has a parametric amplifier with a 1 db. noise figure. Prospective participants may send frequencies and other pertinent information to Ken Holladay, K6HCP, 7733 Rainbow Drive, San Jose, California, or Hank Olson, W6GXX, Bldg. 402, Stanford Research Institute, Menlo Park, California AR

permission to operate their own amateur stations here, and vice versa. The United States now has reciprocal agreements with Australia, Belgium, Bolivia, Canada, Costa Rica, the Dominican Republic, Ecuador, Luxembourg, Peru, Portugal, and Sierra Leone. Many others are being negotiated and successes will be announced as they occur.

Attention DXers. Announcement hereby made of a change in the ARRL Countries List regarding DXCC credits for contacts with stations located in Singapore. This change will be as follows. Contacts made with stations located in Singapore before Sept. 16, 1963 and after Aug. 8, 1965 will be credited as Singapore. Contacts made with stations located in Singapore Sept. 16, 1963 to Aug. 8, 1965, will be credited as West Malaysia. This change will remove Singapore from the deleted countries. Honor Roll totals will be adjusted in accordance with this change in the November issue. This change is neither an addition nor a deletion. Confirmations for Singapore credit may be submitted at any time \overline{AR}

...And then there is the girl on 75 who talks so fast--why her mouth moves so rapidly she says things she hasn't even thought of yet.

de Yellowstone R.C.

Manufacture of automobiles each year consumes the wool from 17 million sheep, the leather from half a million cattle and enough cotton to provide twenty dresses for every American woman, young or old, says American Automobile Association.



Most accidents happen within 25 miles of home

It's a fact. According to the National Safety Council, 4 out of 5 auto accidents happen within 25 miles of home. Happen during those local shopping trips, or while taking the children to school. Happen on the way to work . . . or the way home. So be smart. *Always* buckle your seat belt—every time you drive.

Remember, according to the National Safety Council, if *everyone* had seat belts and *buckled them* all the time, at least 5,000 lives could be saved each year and serious injuries reduced by one-third.

NOBODY CAN BEAT OUR ANNIVERSARY

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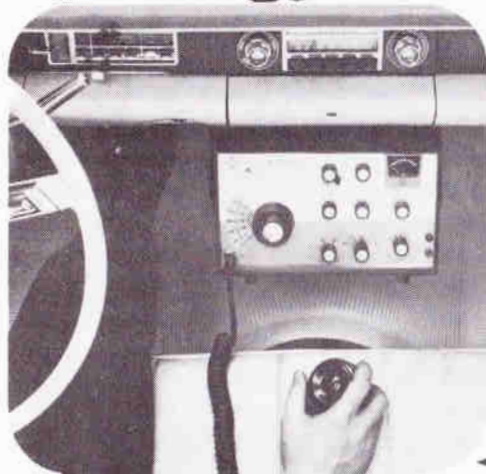
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