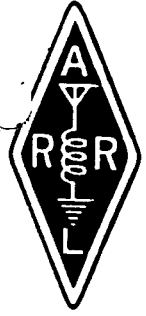


July '91



Old Virginia Times

The OVH ARC Newsletter



"OLE VIRGINIA HAMS" AMATEUR RADIO CLUB, INC.
Post Office Box 1255, Manassas, VA 22110

Repeater: WA4FPM -- 146.97
WA4FPM -- 224.66

Digipeater: WA4FPM-1 -- 145.09
WA4FPM-3 -- 223.40

THE NEWSLETTER VIRUS

Anyone interested in computers has heard about a virus that causes problems with operating computers. Some viruses vanish for a while and then suddenly appear again.

We have a virus in our newsletter! What is meant is that there is an item on the origin of the word *HAM* which started over 30 years ago and concerns individual at Harvard with initials that spelled *HAM*. Also, there supposedly was a congressional meeting. The ARRL (and this editor) investigated this item and found that there were no Harvard individuals by those names and there was no record in Congress of such a meeting. The item is a pure sham!

Every time this editor has seen a reprint of this virus, a letter has been sent to the editor, but it still appears now and then. Within the last month, it showed up again. It appears that it will go on forever after over 30 years of my trying to stop it.

It has been shown that the word *HAM* is derived from the language of actors and means a *secondary* actor who is not on par with the professionals. Thus, a *HAM* is a secondary professional in the electronics field.

When you see it, tell the editor it is a sham and then tear it up!

73 de Andy, *THE OLD GROUCH*, KONL (The ARNS BULLETIN, June 91.)

FCC PROPOSES NEW EMERGENCY MEDICAL RADIO SERVICE:

The FCC is proposing an amendment of its private land mobile rules to initiate a new emergency medical radio service (EMRS). Under present rules, operators of emergency medical communications share frequencies with others in the special emergency radio services (SERS) category, including school buses, beach patrols, rescue organizations and veterinarians. The FCC noted that the rapid increase in SERS transmissions had overburdened available spectrum.

Spectrum for the new proposed services will be derived principally from existing SERS spectrum, including 10 paired UHF channels in the 460 MHz range. Other frequencies to be considered include simplex channels at 155 Mhz that currently are reserved for eligible medical-services users. The FCC also proposed the assignment of five 220 MHz channel-pairs to the new service. (MicroWave Journal, June 1991.)

FROM THE MIKE OF OUR ROVING REPORTER

QRZ DX
de
NS5N/CP6

HELLO AGAIN. IT CERTAINLY HAS BEEN INTERESTING. I VIEWED THEIR HALL OF FAME OR PRESIDENT'S ROW AS IT WERE. IT WAS QUITE IMPRESSIVE. IT WAS NICE TO SEE FIFTY YEARS OF HISTORY AND HAVE IT PRESENT FOR ALL TO LEARN ABOUT.

I WAS GIVEN THE TOUR OF THE RADIO CLUB HERE IN SANTA CRUZ AND I MUST ADMIT, I HAVE YET TO SEE ANOTHER LIKE IT. I GUESS PART OF THAT STEMS FROM A PROJECT BY PAST CLUB PRESIDENT ELIAS ORIZ, CP6II. IT WAS DURING HIS TIME IN OFFICE 81-88 THAT THEY DECIDED TO HAVE ONE LOCATION FOR A CLUB WITH FIXED OPERATING LOCATIONS, ANTENNAS AND A REPEATER SITE.

WITH THE DONATION OF \$550.00 FROM ALL THE CURRENT CLUB MEMBERS FOR INITIAL MEMBERSHIP AND FOUNDING DUES, LAND WAS PURCHASED AND A BUILDING (VILLA) BUILT. TODAY, ON A CORNER ON AVENIDA SAN AURELIO IS ONE OF THE FINEST RADIO CLUBS IN SOUTH AMERICA.

IF YOU ARE AT THE CLUB MEETING, YOU PROBABLY HAVE SEEN OR WILL SEE THE PHOTOS THAT ACCOMPANIED THIS ARTICLE. PLEASE TREAT THEM GENTLY.

ONE OF THE MOST REMARKABLE FEATURES FOR THE SITE WAS THE MURAL THAT WAS COMMISSIONED FROM A NATIVE ARTIST, SENIOR VARGA, FOR \$18,000.00. NOT AN EASY THING TO AUTHORIZE FOR ANY CLUB, BUT IT WAS DONE, NONE THE LESS. THE QUOTE ON THE MURAL STATES:

SI TODOS LOS HOMBRES DEL MUNDO FUERAN RADIOAFICIANADOS,
EL CAMINO HACIA LA PAZ SEREA TAN ANCHO COMO EL UNIVERSO.

OR:

IF ALL MEN IN THE WORLD WERE AS RADIO AMATEURS,
THE ROAD TO PEACE WOULD BE AS WIDE AS THE UNIVERSE.

NICE SENTIMENT, HUH? THEY REALLY GO OUT OF THEIR WAY HERE FOR THE VISITING AMATEUR, TOO. THEY HAVE GUEST QUARTERS WITH SHOWERS, LAUNDRY AND KITCHEN FACILITIES. TALK ABOUT A NICE CONTEST LOCATION. WHEN WAS THE LAST TIME YOU SAW A CP IN THE CONTEST LISTINGS? I HAVE ASKED ABOUT SOME INTEREST AND THEY SEEM TO BE AGREEABLE TO AN ENGLISH SPEAKING OPERATOR WORKING CP6AA FOR A CONTEST IN THE FUTURE. MAYBE EVEN MORE THAN ONE. IT IS REALLY A BEAUTIFUL TOURIST SPOT, TOO.

JUST IN CASE THOSE PHOTOS ARE FUZZY, THEIR PRIMARY LICENSE STATION CONSISTS OF A YAESU FT-980, FL 2100Z AMP, AND AN SP-980P SPEAKER WITH THE YS-60 POWER METER AND MD-1 MICROPHONE. THE ALTERNATE IS A KENWOOD TS-140S AND ANOTHER SP-980P SPEAKER. ALSO, TELEPHONE ACCESS IS IN THE ROOM IN CASE A RARE ONE COMES UP. THE WHOLE THING IS INSTALLED IN A CUSTOM CABINET BY THEIR RESIDENT CARPENTER. (DON'T WE HAVE ONE OF THOSE SOMEWHERE AROUND THE COUNTY?)

Ole Virginia Hams Amateur Radio Club, Inc.

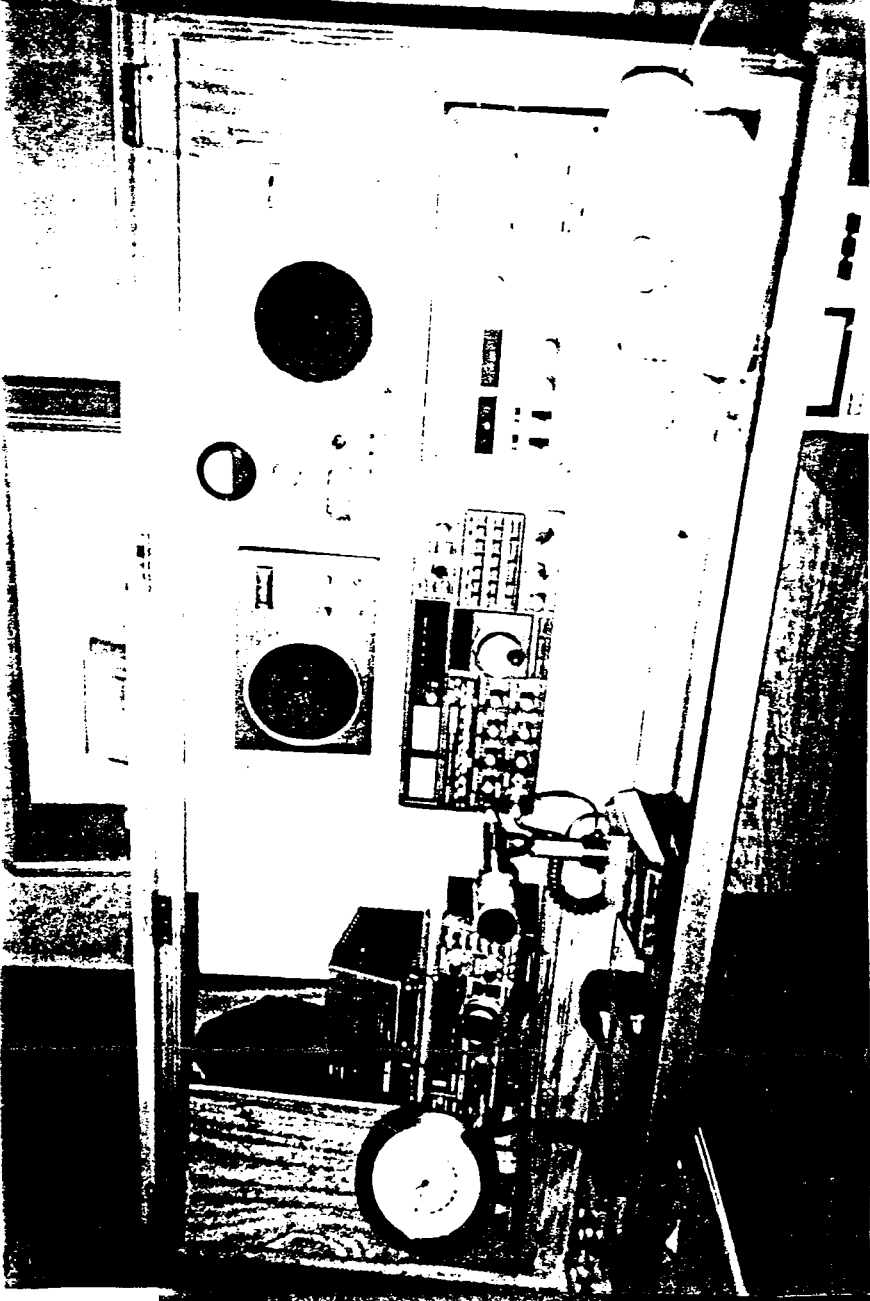
AT THE TIME I TOURED, THE SECONDARY STATION HAD BEEN REMOVED FOR SECURITY REASONS. THEY ARE IN THE PROCESS OF ENCASING THE WHOLE BUILDING IN A STEEL CAGE. SOUNDS FAMILIAR. WHAT WAS IN THE ROOM THOUGH, WAS A BRAND NEW YAESU FTR-2410A REPEATER ON 146.94/146.34 AND ANOTHER ONE BRAND SPANKING NEW IN THE BOX IN CASE THE PRIMARY FAILS OR NEEDS ALIGNMENT. ALSO INCLUDED WAS THE CES AUTOPATCH. NOW, IF THE PHONE SYSTEM WAS 100% RELIABLE, IT WOULD REALLY BE IMPRESSIVE!

OUTSIDE IS A NICE REPEATER ANTENNA ON A 200 FOOT TOWER AND A 6 ELEMENT TRIBANDER ON A 60 FOOT TOWER. THEY CAN AND HAVE WORKED JUST ABOUT ANYWHERE THEY WANT TO. WITH THE REPEATERS HEIGHT, IT IS POSSIBLE TO WORK FROM SANTA CRUZ TO COCHABAMBA PROVIDED YOU HAVE A BEAM WITH A LITTLE GAIN AT THE COCHABAMBA END.

ALSO OUTSIDE, IS A BEAUTIFULLY LANDSCAPED YARD AND BAR-B-QUE AREA IN THE REAR WITH LOTS OF PARKING. YES, THE CHICKEN WAS EXCELLENT AS WAS THE FRIED BANANAS AND YUCCA. THE DAY THAT I TOOK THE PHOTOS, THEY WERE PREPARING FOR A WEDDING RECEPTION FOR THE DAUGHTER OF ONE OF THE MEMBERS. NEEDLESS TO SAY, WE WERE INVITED AND THE PIG WAS DELICIOUS. THESE GROUNDS HOST AT LEAST ONE PARTY PER MONTH AND AT ONE TIME, ONCE A WEEK. SURE KEEPS THE MORALE HIGH FOR THE LONG NIGHTS OF DX.

THE BANNER THAT THEY PRESENTED ME WITH, WAS IN HONOR OF THEIR 50 YEARS AS A RECOGNIZED RADIO CLUB. NICE TOUCH. THEIR SECRETARY, GLORIA, WENT OUT OF HER WAY TO MAKE ME FEEL WELCOME. IF ONLY SHE SPOKE ENGLISH, I WOULD PROBABLY HAVE UNDERSTOOD THE MIRIAD OF QUESTIONS FOR LICENSING MUCH BETTER. MY GOOD FRIEND CARLOS VACA-GUZMAN CP6TQ, PROVIDED THE NECESSARY TRANSLATIONS AND ALL WENT WELL. WITH THAT, IT TAKES ABOUT 20 DAYS TO GET A LICENSE HERE RATHER THAN THE 6 MONTHS THAT IT TAKES TO DO IT MAIL ORDER THROUGH THE ARRL ROUTE. NOT MANY OF US KNOW 6 MONTHS AHEAD OF TIME THAT WE ARE GOING TO BE IN A PARTICULAR PLACE. LIKE MOST PLACES IN THE STATES, YOU JUST NEED TO CONTACT THE LOCAL RADIO CLUB FOR ALL OF THE RIGHT INFORMATION.

ON ONE FRIDAY, THEY HAD A BENEFIT AND SUPPORT DINNER FOR THE CANDIDATE FOR PRESIDENT. ALL OF THE PEOPLE FROM THE CLUB THAT SUPPORTED THAT PARTICULAR CANDIDATE FOR THE UPCOMING ELECTION THREW A BENEFIT DINNER FOR HIM OR HER. IN THIS CASE, SINCE THE INCUMBENT WAS RUNNING UNOPPOSED, THE WHOLE CLUB TURNED OUT FOR THE DINNER. THE NEXT WEEK WAS THE ELECTION DINNER. I SURE HAVE BEEN GETTING A LOT TO EAT AROUND HERE. IF THIS KEEPS UP, I AM GOING TO GAIN BACK THE 25 POUNDS THAT I LOST DOWN HERE IN THE FIRST 6 MONTHS. I DO TRY TO KEEP FROM EATING ALL OF THE THINGS THAT ARE BAD FOR ME, AND FORTUNATELY, THERE IS NO REAL JUNK FOOD TO BE FOUND HERE. UNLESS OF COURSE YOU CONSIDER FRIED GREEN BANANAS OR YUCCA JUNK FOOD.



FOR YOUR INFORMATION

PARETO'S LAW

Pareto's Law tells us that in any organization, 80 percent of the work is done by 20 percent of the people. (Vilfredo Pareto was an Italian Engineer who turned to the study of economics and indifferent curves.)

In any machine, 80 percent of the trouble is caused by 20 percent of the parts. Think back to your school days: of every five teachers, one was a prince, or a princess, three were so-and-so, and one was a stinker. That's Pareto's Law!

Your newsletter is written for all members. So, for the 20 percent at the other end of Pareto's scale, here are the rules they follow:

1. Stay away from meetings.
2. If you do come, find fault.
3. Decline office or appointments to a committee.
4. Get sore if you aren't nominated or appointed.
5. After you are named, don't attend board or committee meetings.
6. If you don't get one, clam up till it's all over, then sound off on how things should have been done.
7. Do no work if you can help it, and when the reliables pitch in, accuse them of being a CLIQUE (or of trying to take over the Club).
8. Oppose all new programs as being a waste of member's money, or remind all newcomers (and reliables) that it was tried before without success (or we can't do that cause its never been done that way before).
9. When nothing new happens, complain that the officers are a bunch of old sticks.
10. Read mail or newsletters only now and then. Don't reply (or contribute) if you can help it.

(Reprinted from the ARNS Bulletin, June 91.)

No one ever traveled an untraveled path and found it paved!

YOUR PET HAM - CARE AND FEEDING

The pet HAM is one of the most intelligent of pets, often seeming almost human. The following is a short guide to things you should know about caring for your pet HAM.

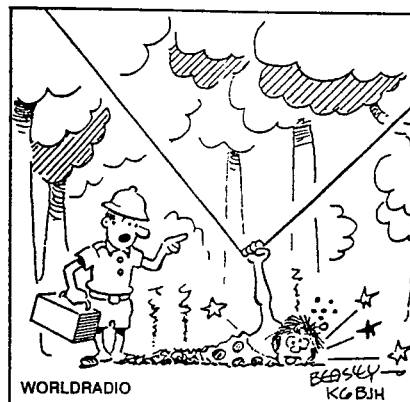
LIVING AREA - Your pet Ham should have a private are of its own where it will not be disturbed. It will spend many happy hours alone there with its collection of treasures (boxes, wires, bits of metal, glass, paper, plastic, etc.). It should be encouraged to confine its activities to this nest room to protect the rest of the house from its natural tendencies toward noise, clutter, and making holes in the wall.

EXPENSES - Raising your pet Ham can be an expensive hobby. However, unlike most pets, the pet Ham can be trained to work outside the home for short periods and bringing in enough money to cover part or all of its expense.

FEEDING - The well-behaved pet Ham will be able to eat with the family on occasion, but it feels more comfortable and secure taking many of its meals in the privacy of its nest room.

HOUSEKEEPING - Pet Hams can usually be trained to use the family bathroom facilities.

OBEDIENCE TRAINING - Most pet Hams can be trained to respond to a few simple commands. The easiest to teach are "sit" and "speak". Once your pet Ham has learned these behaviors, it will sometimes practice them on its own for hours at a time. (ARNS Bulletin, June 91)



THAT ISN'T A VINE, YOU IDIOT--- YOU JUST TOOK THAT NEW MISSIONARY'S 15 METER STATION OFF THE AIR!

HURRICANE SEASON LOOMS

With hurricane season around the corner, here a few items to help you understand what the weather people are really saying when they discuss hurricanes:

Tropical disturbance: An area of showers and thunderstorms which may have a slight cyclonic (counter-clockwise) surface circulation and maintains its identity for at least 24 hours. These are very common occurrences in the tropics.

Tropical depression: A storm system displaying a noticeable rotary circulation with maximum sustained wind speeds of 38 miles per hour (33 knots).

Tropical Storm: Displays a substantial rotary circulation with sustained winds of 38 to 73 miles per hour (34 - 63 knots). When reaching tropical storm strength, a storm is given a name to aid in tracking.

Hurricane: Strong rotary circulation with sustained surface winds of 74 miles per hour (64 knots) or more. In the western North Pacific and most of the South Pacific, such storms are called Typhoons, in the Indian Ocean they are called Cyclones.

Advisories, Watches and Warnings

Small Craft Advisory: Alerts boaters to wind and sea conditions which might be hazardous to small boats. Usually wind speeds must be at least 20 miles per hour (18 knots). Issued when a tropical storm or hurricane moves within several hundred miles of the coast. Boaters are advised to take precautions and not venture into the open sea.

Gale Warning: Coastal wind speeds between 39 and 54 miles per hour (34 - 47 knots).

Storm Warning: May be issued when winds of 55 - 73 miles per hour (48 - 63 knots) are expected on area waters.

Hurricane Watch: Issued when there is a threat of hurricane conditions developing within 24 to 36 hours.

Hurricane Warning: Hurricane conditions with winds of 74 miles per hour or more (64 knots) and/or dangerously high tides and waves are expected within 24 hours. People within the warning area should begin to take action to protect life and property.

Tornado/Severe Thunderstorm Watch: Tornadoes and severe thunderstorms often develop when hurricanes and tropical storms make landfall. A watch means these storms are possible.

Tornado/Severe Thunderstorm Warning: Tornadoes or severe thunderstorms are occurring within the warning area.

Operating Guidelines

1. **LISTEN.** Monitor recognized disaster net frequencies. Transmit only when directed by a disaster net control station, or station in the disaster area. Major nets include.

International Assistance and Traffic Net (IATN): 14.303 MHz
Hurricane Watch Net (HWN): 14.325 MHz
Friendly Caribus Connection: 14.283 MHz

2. **Monitor** WIAW for timely bulletins.

3. **Hold off** on health and welfare traffic.

Don't clog primary disaster frequencies by trying to force H&W traffic into the disaster area. US amateurs' efforts must be directed to receiving messages from the affected area, each one having the potential of heading off numerous US-originated messages. US amateurs must listen carefully for instructions on handling H&W traffic.

4. **CONTROL** of the communications situation **BELONGS WITH AMATEURS IN THE AFFECTED AREA.** Act according to their directions and those of designated net control stations.

5. It is the responsibility of the Red Cross to manage the H&W traffic function (the Red Cross term is "Disaster Welfare Inquiry"). We support the Red Cross communications network, not the other way around.

Contact your local Red Cross chapters now to establish local systems for handling H&W traffic.

HURRICANE NAMES FOR THE ATLANTIC

1991

Ana	Larry
Bob	Mindy
Claudette	Nicholas
Danny	Odete
Elena	Peter
Fabian	Rose
Grace	Sam
Henri	Teresa
Isabel	Victor
Juan	Wanda
Kate	

FREQUENCY MODULATION RECEIVERS

de
Harry (W4PVA)

While this is not all encompassing, hopefully it will be of use.

In FM (Frequency Modulation) the basic carrier frequency is varied with modulation (voice in many cases). Thus, it is named Frequency Modulation. There are numerous other modulation schemes which are quite functional, but for now, I am going to deal with this one.

Since the voice imposed on the radio carrier wave causes it to vary about the center frequency at the audio rate, and the amplitude (size) of the carrier remains intact, there is a device built into an FM radio which detects this frequency variation and recovers the imposed modulation - this is called an FM detector. Also, there is a device called a "Limiter" which clips off excessive signal strength - since signal strength carries no intelligence. This limiter also clips off the received noise which was produced by auto ignition, power lines, atmospheric and the like (not all FM radios have a limiter - just the better quality ones). This makes FM pretty much "static free". This limiter is built in and is not adjustable.

Another device installed into FM receivers is called the "squelch". The squelch is needed because FM receivers run wide open in the front end and thus produce a high inherent noise level. The squelch is adjusted to just kill the audio output of noise when there is no signal present. But, it is not tight enough to prevent hearing a desired station.

An inherent characteristic of FM is called "Capture Effect". Capture effect is a characteristic where the stronger of two stations received simultaneously will "capture" the receiver and apparently wipe out the weaker one (wipe it out in the sense of not allowing it to come through your set). This capture is complete while the two stations are present. There is a particular case where two signals of nearly equal strength arrive at the same time. In this special case, no capture occurs and a burbling sound is heard.

At this point, a comment regarding the Manassas repeater: Here a special situation occurs. The 2 M and the 220 MHz repeaters are connected together in the repeater audio section. In this special situation, a 2 M and a 220 MHz audio are simultaneously received WITHOUT capture effect because two complete independent repeaters are involved. The result: Audio

from both will appear in the output. This is somewhat similar to two people talking in the same room.

Next month -- some stray notes on FM (technical in nature).

73

Harry (W4PVA)

NOTES FROM THE EDITOR

The Ole Virginia Times is published monthly by the Ole Virginia Hams Amateur Radio Club, and is mailed free to members of the OVHARC. Permission is granted for use of material contained within this Newsletter, provided proper credit is given. This Editor will exchange Newsletters with other Clubs and Associations upon request. Newsletter deadline for submission of articles is the 5th of each month. The Newsletter is entered as First Class Mail at the Manassas Post Office, Manassas, Virginia.

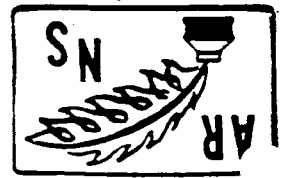
We are always looking for interesting items for the Newsletter. If you see articles, have shack tips, items for sale, items wanted, brain teasers, etc., please send them to the Newsletter Editor c/o OVH, Post Office Box 1255, Manassas, Virginia 22110; or, give me a landline (361-0008 or 690-6547). If it is interesting to you, chances are it will be interesting to others!

73's

Bonnie (N4QPB)
Editor

NEXT MEETING

The next meeting of the OVHARC will be on Monday night, July 15th, 1991, at 8:00 p.m., in the basement Meeting Room of the Northern Virginia Electric Co-Op, 10323 Lomond Drive, Manassas, Virginia.



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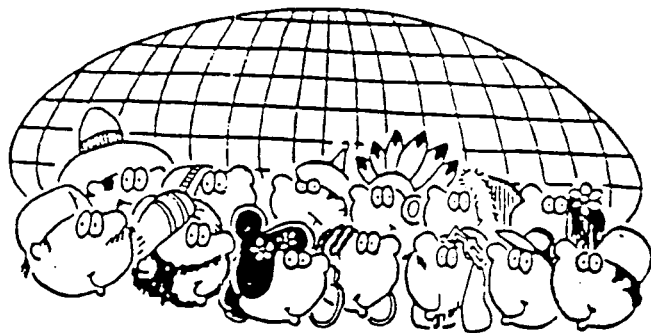
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JULY

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WORLD WIDE FRIENDSHIP THROUGH AMATEUR RADIO