

Worldradio

6 Dec. 1971
international friendship-local public service



The day dawned clear and crisp in the Mojave Desert with the promise of a beautiful weekend. The day was Saturday, November 13th, 1971, and a big day for aviation buffs, being the day that the pilots were to qualify for the 1971 California 1000 Air Race. It was certainly a welcome change from the previous few days in which stormy skies, rain and winds prevailed, and made it unpleasant for the people involved in preparing the course for the race.

On this Saturday a group of radio amateurs arrived in the town of Mojave where they checked into their lodgings before reporting to the Mojave airfield to be assigned their duties. This group would be handling the communications during the California 1000 Air Race.

These amateurs go by the name of the El Segundo Emergency Communications Group. In the strict sense of the word, they are not a radio club as such, being under the aus-

HAMS PROVIDE COMMUNICATIONS

Stan Kellogg, W6KPR

pices of the city of El Segundo. The group was formed 17 years ago to assist the El Segundo Civil Defense organization in providing radio communications. Five years ago the group became a club with duly elected officers in order to obtain call letters from the FCC. They commenced operating with VHF-FM equipment on 147.12 MHz. They also operate on the 40, 10, and 6 meter bands. Their primary function is to operate as an emergency communications group to serve their community in the event of emergency or disaster.

Secondarily they have used their radio know-how and equipment to assist

various organizations by furnishing communications for sporting events such as sports car rallies and boat races.

Bob Hayos, K6CUK, president of the club, told of one event in which the amateurs were stationed at intervals of 50 to 100 miles along a 900 mile distance from Sante Fe, New Mexico to Las Vegas, Nevada. The event was the International Sports Car Rally during which they operated on 40 and 80 meters. The duties of the hams included reporting to the judges at the finish line as the cars arrived at the checkpoints, and of course, to aid anyone in case of an emergency.

The Worldradio Foundation

ten percent of your subscription fee is divided among:

Airmen's Memorial School

Located on the island of New Britain, off the coast of New Guinea, the school was the first education for the children of Ewasse Village. It is a non-profit foundation project of Fred Hargesheimer, WØEBG, of White Bear Lake, Minnesota. The area's natives nursed Fred through illnesses and protected him for eight months during 1943 after his P-38 crashed. Fred, an electrical engineer, is currently on a one year leave of absence from UNIVAC and is teaching math at the school. He is operating as VK9FH.

S.S. HOPE

Amateur radio has always been a part of the journeys of the HOPE as she covered the world treating the ill and serving as a teaching hospital. The HOPE also maintains permanent medical facilities in Peru, Ecuador, Nicaragua, Colombia, Ceylon, and Tunisia.

Amigos de las Americas

Working in Guatemala, Honduras, Nicaragua and Colombia, the nondenominational group administers immunizations, teaches hygiene and reading and helps in many ways. The volunteers go down for three week tours, paying a large share of their own expenses. Many amateurs are involved in the project.

International Mission Radio Association

The organization furnishes communication for those in remote areas of the world such as missionaries and Peace Corps workers. Funds are used to purchase radio equipment for missionaries of all faiths.

Colegas y Amigos

The Southern California and Mexico Amateur Radio Mobile Group has as its primary aim the promotion of international good will. They assist an Old Folk's Home and a Girl's Orphanage in Ensenada, Mexico. The group also works with the Flying Samaritans - the pilot-doctors who fly into remote areas of Mexico to give medical assistance.

Handi - Hams

A group in the Midwest (WØ) who teach the blind, handicapped and bedridden persons to become amateurs. The organization also, through donations, gives radio equipment to the handicapped.

Radio Amateur Invalid and Bedfast Club

The club, based in London, helps blind and disabled amateurs in Britain, Australia, New Zealand, Canada, South Africa, Finland and the U.S.A. Equipment is repaired, antennas are erected for the disabled, and amateur radio literature is distributed to the handicapped.

Minh - Quy Hospital

Located at Kontum in the central highlands of Viet Nam, the hospital is staffed by an American woman doctor from Seattle, Dr. Pat Smith, and two nurses. The facility, which attends to the illnesses and injuries suffered by civilians, also receives help from a Swiss medical team. Assisting the hospital is a continuing project of Sgt. Steve Olson, W6EQM, who was stationed near the hospital with the Special Forces. He is now in Fresno, California.

Hadley School for the Blind

The school, located in Winnetka, Illinois, operates an amateur radio correspondence course, given without charge to the blind. The course has over 150 blind students (and a waiting list). Students are located in the United States, Australia, New Zealand, India, Hong Kong, Scotland and other countries. Volunteer chairman of the program is Byron Sharpe, W9BE.

Reserve

A reserve to be used for emergencies, grants, purchase of equipment to be loaned to hams engaged in humanitarian projects and to implement suggestions from readers of Worldradio.

All expenses and clerical time necessary to operate the Foundation will be donated by the publication and its staff. On a quarterly basis, a record of disbursements will be reported in Worldradio.

"I believe in the family of mankind"... Mark Twain

participants *Worldradio subscribers*

This listing is provided to facilitate your acquaintance with those of similar interests.

(Continued from last issue)

William Fuller, K7OZA, Seattle, Washington
Edward Munsell, K6CL, Los Angeles, California
Ken Johnson, W6NKE, Canoga Park, California
Beth Taylor, W7NJS, Milwaukie, Oregon
John Layton, W7GPS, Seattle, Washington
L.E. McRobert, WN8FSW, Parkersburg, West Virginia
Roy Post, WA6FUN, Santa Rosa, California
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Ted Robinson, F8RU, Freney Voltaire, FRANCE
Emile Timko, W3OHX, Hazleton, Pennsylvania
A. David Middleton, W7ZC/W5CA, Springdale, Utah
Thomas Wulling, -, La Crosse, Wisconsin
Earl Burdick, WA6BDN, Beverly Hills, California
Harold Caum, W3UD, Altoona, Pennsylvania
Arthur Eckman, WA2ECI, New York, New York
Harold & Barbara Knapp, W3BQ-WA3GZT, Germantown, MD.
Elmer Olson, K7GPZ, Phoenix, Arizona
Hugh Compton, W7MKW, Seattle, Washington
Rev. Eugene Higgins, -, Maryknoll, New York

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Merle Smart, W6ATN, Sacramento, California
Al Kanda, W7HZI, Scottsdale, Arizona
Colonel D.W. Titus, K6ART, Mira Loma, Calif.
(Continued next issue)

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50th ANNIVERSARY MARKS NEW APPROACH IN PUBLICATION OF THE CALLBOOK!

* * * * *

As the result of a nationwide survey, the CALLBOOK is changing to one major edition per year, with no change in price. Publication date is December 1st, beginning with the Winter 1971-72 issue.

However, a "new information service", in CALLBOOK form, consisting of new licenses, silent keys, call letter and address changes for the preceding three months, will be initiated on a quarterly basis -- every March 1st, June 1st, and September 1st -- to those who have purchased the previous December issue.

This information service will be available by subscription only, through the order form printed in the December edition. The price for this service will be \$6.00 per year for the United States series, and \$4.50 per year for the Foreign series. The subscription is on a consecutive, annual basis only.

COMPLETE SERVICE FOR A FULL YEAR AT HALF THE OLD SUBSCRIPTION RATE!

U.S. CALLBOOK (Winter Issue)	\$ 8.95 & 25¢ mailing
Subscription to Service Editions (Spring, Summer, and Fall)	<u>\$ 6.00</u>
TOTAL COST	\$15.00

Foreign CALLBOOK (Winter Issue)	\$ 6.95 & 25¢ mailing
Subscription to Service Editions (Spring, Summer, and Fall)	<u>\$ 4.50</u>
TOTAL COST	\$11.70

The "new information service" is an optional feature for the purchaser of the December complete CALLBOOK. The subscriber has the opportunity of keeping his CALLBOOK up-to-date through this quarterly information service.

A four-year subscription to the December edition only, will be offered at the previous subscription rate of \$30.00 for the U.S. and \$22.00 for the Foreign, both postpaid.

YOU CAN ALWAYS LOOK TO THE CALLBOOK FOR NEW AND BETTER SERVICE!!!

notices

FCC

October 27, 1971

First alien applicants to receive U.S. Amateur Radio licenses under Public Law 92-81.

On August 10, 1971, the President signed Public Law 92-81 to make certain aliens eligible to receive Commission licenses for the operation of Amateur Radio stations.

Under Public Law 92-81, aliens who are permanent residents of the U.S. and who have filed a Declaration of Intent to become citizens may apply for Amateur Radio licenses, but must qualify for such licenses by examination. This law makes possible the issuance of amateur licenses in the United States to these aliens. They formerly were disqualified from holding United States amateur licenses. Because of their permanent residence in this country, many were also precluded from operating under the reciprocal provisions of the Communications Act.

Under the provisions of this law, the first applicants to obtain Amateur Radio station licenses were Mr. Derek John Brook, a citizen of Great Britain, who was issued Novice Class license WN2ZVQ; and Mr. Hartman E.A. Weiss, a citizen of the Federal Republic of Germany, who was issued Extra Class license WA3KWD. Both licenses were issued effective October 26, 1971.

-FCC-

On October 21, 1971, the FCC denied the application of an applicant for an Amateur Radio station and operator licenses. The applicant, who in the past had his Citizens Radio Service license revoked and who had engaged in unlicensed operation of a radio transmitting apparatus after the revocation, was turned down on the grounds that "...his misconduct demonstrates that he does not possess the requisite character qualifications to be a licensee, and that the public interest would not be served by the grant of an Amateur radio license to him." Another FCC statement said, "...it is clear that he lacks the integrity deemed necessary in an applicant for a license in the Amateur Radio Service."

ARRL

Official Bulletin Nr. 346-Oct. 28, 1971

The ARRL Intruder Watch has completed almost seven years of operation. This volunteer service has materially aided in having intruders removed from the amateur bands. Continuing vigilance and additional work are necessary. The Intruder Watch welcomes additional volunteers with several years amateur experience and good receiving equipment who can spend at least two hours a week logging the calls of non-amateur stations in the amateur bands. A particular need exists for RTTY operators with access to sophisticated gear. Volunteers please write Intruder Watch, ARRL, 225 Main St, Newington, Connecticut 06111.

Official Bulletin Nr. 347- Nov. 4, 1971

The next ARRL Simulated Emergency Test will take place January 29 and 30, 1972. This serious operating exercise tests both emergency preparedness on a community to community basis as well as long haul traffic facilities. Every amateur should participate in the SET and help to justify the amateur service in terms of public interest, convenience and necessity. Plan now to participate by contacting your local Emergency Coordinator. Further information can be obtained from your Section Communications Manager, address page 6 QST. Full SET details will appear in the January issue of QST.

Official Bulletin Nr. 348-Nov. 11, 1971

Utilizing the extensive data furnished by the VHF Repeater Advisory Committee, ARRL has now produced an updated directory of repeaters. This detailed listing includes information from the VRAC and the summer edition of the directory, indicating area served by the repeater, call used, type, frequency, system modulation, access method, power, repeater location and elevation, and sponsor. The directory is available without charge from ARRL headquarters, 225 Main Street, Newington, Connecticut 06111. For first class shipment, please send a large addressed envelope with 24 cents U.S. postage.

classifieds

Teletype fans - Read RTTY Journal, now in 18th year. Exclusively RTTY - Technical-operation-DX-VHF etc. Sample 30¢-\$3.00 a year. RTTY Journal, P.O. Box 837, Royal Oak, Michigan 48068

AUTO-CALL keeps up with the latest ham info from Washington, D.C. area. Subscriptions \$2.50 a year, sample copies 25¢. Address: AUTO-CALL, 2012 Rockingham, McLean, VA 22101

ARMAGEDDON! Invasion from Outer Space! Written by W3ZS. Free but stamp appreciated. Write:METHODS, 416 Palo Alto Ave. Mountain View, Calif. 94040 K6QF

Join the greatest club in the world. National Awards Hunters Club, International. For free information write To: Joseph Schwartz, K2VGV, 43-34 Union St., Flushing, New York 11355

Worldradio QRP fans: Skeds? Edward, VE3CUI, 205 Cordova Rd. Oshawa, Ontario, Canada.

STEPS TO CHRIST. Free but stamp appreciated. Write: METHODS, P.O. Box 1263 W, Mountain View, Calif. 94040 K6QF

CALLBOOK- For the low price of \$3.50, you can have all the latest information that was used in the Fall CALLBOOKS-both U.S. and Foreign-from address and class changes to new licenses and silent keys. The Fall Supplement is just what you need to up-date your Summer 1971 CALLBOOKS. Send \$3.50 to Radio Amateur Callbook, 925 Sherwood Drive, Lake Bluff, Illinois 60044

Classifieds dealing with amateur radio equipment, buy-sell-trade, three cents a word.

Classifieds dealing with non-amateur radio articles: stamps, coins, books, cameras, boats, airplanes, homes, etc., two cents a word.

Classifieds from business enterprises, five cents a word.

Write for Display Advertising Rates. In an effort to boost the economy we make it possible for everyone to be able to afford to advertise their product or service.

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Darleen Souigny, WA6FSC/VR5DK, Roving Editor
Sid Hall, WB6BNZ, Circulation Manager
Ken Welsh, WB6FKV, Subscription Fulfillment

Worldradio

an international newspaper

Vol. 1, No. 8

6 Dec. 1971
* GLARE-FREE

**Man has too much in common
to be separated
by political blocks
or racial barriers....**

**whatever splits up mankind
is artificial and can be
tolerated or ignored -**

**whereas
whatever unites mankind
is real
and profound.**

THOR HEYERDAHL
(via amateur radio)

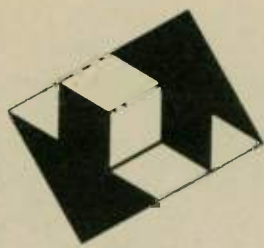
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MARN

MOSAIC AMATEUR RADIO NET

The Mosaic Amateur Radio Net is an international, non-profit, non-commercial association dedicated to serving mankind and fostering international good will. It is an association of Masonic amateur radio brethren and members of the appendant Orders. Membership in the Mosaic Amateur Radio Net - better known by its acronym MARN - is open to all members of the Masonic order and those of the appendant Orders who possess any class of an amateur radio operator's license. There are no dues and the nominal membership fee is perpetual. Write for information.

MARN
11049 Avenue E
Chicago, Illinois 60617
U.S.A.



PARTNERS

IRON LUNG TO GOIAS

Speaking from Brasilia, Alex Polejack of the Brazilian Partners Program told Ernie Bracy, W1BFA, that the Partners in Goias, Brasil needed an iron lung for the people of Goias. They were experiencing an epidemic of polio. Goias is the Partner State of Wyoming. Through the cooperation of the Washington, D.C. office of the Partners Program, the Wyoming Partners and Direct Relief of California an iron lung was soon on its way to Goias. Amateur radio followed it from California to Rio and on to Goias until it was safely in the hands of the Partners organization in Goias. In fact the interest was so high that checking on the lung did not stop until it was actually in operation. PY2GFG rendered hours of dedicated amateur radio service.

SHEEP TO BAHIA

What better place to send sheep than "BAH-IA". The Partners of Pennsylvania were trying to ship some sheep to their Partner State, Bahia. These were for breeding purposes, an agricultural program. Shipping was most difficult. Customs clearance was not easy. Amateur radio again came to the rescue. Coordination was established between Bahia, Brasilia and Pennsylvania. The Brazilian Air Force came to the rescue and put them aboard a C-130 plane bound for Salvador, Bahia. PY1DMG, PY2GFG and W1BFA kept things moving until the project was completed by the Partners of Pennsylvania and Bahia with the assistance of the Washington office of the Partners Program.

HOPE SHIP TO NATAL

Planning a project for the HOPE Ship necessarily starts many months in advance. In coordination with the Partners of Maine and their Partner State of Rio Grande do Norte, such a project is being planned. An interesting conversation could be heard one Sunday morning when all three, i.e. the ship, the chairman of the Maine Partners and the chairman of the Rio Grande do Norte Partners all got together on amateur radio. The ship was in Jamaica. An example of how small is the world of ham radio.

SAVE ONE LIFE?

Amateur radio operator Jose of PY7VP made an appeal to Ernie at W1BFA to get some help for a young lady in her twenties who was dying from a rare fungal infection known as torulosis. One life today is not a sufficient catastrophe to attract immediate assistance sometimes required. Ernie suggested a cable be sent by the Governor of Ceara, who was interested in the case. A radiogram was received from the acting governor, Humberto Bezerra and within 48 hours a 30-day supply of amphotericin for Sylvia Costal Curgel was delivered in Ceara. The patient's doctor was connected via ham radio with one of the United States' leading experts on torulosis at the National Institutes of Health in Washington, D.C. W1BDL assisted PY7VP and W1BFA in handling this emergency. At last report the girl had left the hospital and was considered safely on the way to recovery. The Partner State of Ceara is the State of New Hampshire.

A DOCTOR TO FORTALEZA

Time running out, a doctor in the state of Georgia had to verify his schedule for a seminar in Fortaleza and a conference in Recife. All other means failed. He was told that W1BFA kept schedules with Fortaleza. His telephone plea met with assistance and with PY1ZAE in Rio, PY7ZAA in Recife, PY7VP in Fortaleza the director of the Pestalozzi Society was located, the schedule confirmed, the seminar rescheduled to permit time of arrival and the doctor was happily sent on his way to do his good deeds in Latin America.

AN ELECTROENCEPHALOGRAPH

Try that one on SSB! The Lions Clubs of Maine in cooperation with the Partners of the Americas obtain the instrument for Maine's Partner State, Rio Grande do Norte. The word "leaked" out via ham radio to Natal, R.G.N. Wonder what the scope trace looked like on that one?

HOME IS SO NEAR

Two Brazilian school teachers, one from Ceara and the other from Manaus, travelling throughout the United States on a scholarship for teachers of English found, like so many thousands do, that home can seem so close. They heard the familiar voices of their families flowing from the speakers of W1BDL and W1BFA much to their surprise and delight. Noting Maine was on their itinerary the surprise was prearranged for them.

DERMATOBIA HOMINIS

Hams sometimes get strange requests. The Wyoming Partners needed needed to know at once the correct name of the fly that was causing so much trouble with cattle raising in their Partner State of Goias. To their rescue came PY2GFG and W1BFA again to obtain the name Dermotobia Hominis, all of which was quite a mouthful when spelled out in Portuguese phonetics.

BASKETBALL COACH TO CEARA

Before embarking on a trip to far away Ceara, Lou d'Alexandro a former Celtics player and a coach from New Hampshire felt a little closer to the people at the other end of his journey. He spoke through W1BFA with the Partners people of Ceara before departure. Upon arriving he felt much closer to home by speaking with his wife in New Hampshire via amateur radio. Lou is on a project arranged by the Partners to instruct a class of 40 in the coaching techniques. His text was sent well in advance but the translation never arrived. Amateur radio again came to his rescue with PY7VP volunteering to translate the text.

For further information on the Partners of the Americas and amateur radio contact Ernie Bracy, W1BFA, P.O. Box 88, Readfield, Maine 04355.

(Continued on page 19)

Dr. Samuel Marx, HR3SM

WB4BLK was the radio contact at Duke University through which we made many consultations with members of the Duke University staff. It would be impossible to tell you how many such consultations I made with various specialists. However, one case that was especially interesting was that of a young man, Yordi, who needed an amputation of a leg. Dave and Tim at W4BLK called several orthopedic surgeons for consultations and then Dr. PETERS in the physiotherapy department who took exact measurements and made recommendations. Then Dr. PETERS followed through with the making of the prosthesis which was shipped down here and now the young Miskito man can walk around with two legs.

We also have a contact with W2PZK, Don Stokes in Short Hills, New Jersey, who is a Gynecologist, and who patches us through to Dr. Wendell Ward who is an internist and pathologist and who runs many pathological specimens for us and then passes on the report.

During recent Hurricane Edith we checked frequently on 15, 20, 40 and 80 meters to get the reports. Our quad antenna began to pull out of the ground so we went out in the 60 to 80 mile an hour gusts and tied it down to the foundations of the house. The mast bent some but otherwise the quad came through fine.

Clinica Evangelica Morava
Ahuas, Honduras

MARN news

Frank Phillips, W5QPH/9

Dr. Walter Shriner, W9CBG, a member of the Mosaic Amateur Radio Net has been granted Honorary Membership in recognition of his work for the missionary hospitals.

Walter has exemplified the aims and policies of MARN with his work for mankind and therefore was awarded honorary membership.

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Hams save a life



Freddy Prettel, M.D. receiving blood plasma from the Special Operations Crew. Left to right: Dr. Freddy Prettel, Manuel Guevara, John Baugh, Lee Phillips, Ron Woodcock, Ana Elisa de Ramirez(HK5AZA), and Ken Thomas.

For the story on how hams saved a life see the IMRA column on page 20.

help

Sven Elfing, SL3ZO

We need some "help", badly I should say! Many, very many of our friends in U or OK need IRCs. They can not get any IRCs there. We have been trying to help them for quite some years now. In "return" we receive Callbooks, we have here now too many callbooks. We have a) the original Russian Callbook, over 300 pages, 14,000 stations and b) OK Callbook, 1,500 stations OK and OL. We have received these books, lots of them from "poor hams" inside there and we have sent them IRCs in return. Now we have difficulties to get rid of them here. We "sell" the Russian Callbook at \$5.00 each plus postage, and the OK Callbook \$1.00 post-paid. Both books sent airmail for \$10.00. We would be very happy to get rid of them and then be able to send more IRCs to the folks there who need them for awards etc.

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Sweden

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W6ATU

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What in the world

... becomes of amateur radio

station operators between

local disasters ?

True, we see accounts of their activities locally during times of hurricane, flood and earthquake. But what happens to them when the winds cease to blow, the waters recede and the sun begins to shine?

It is with the day-to-day public service activities of amateurs in general, and members of the Ozone Amateur Radio Club (Slidell, Louisiana) in particular, that this dwells...

Assistance rendered Civil Defense and similar organizations by the Ozone Amateur Radio Club during local disasters is pretty generally known. However, most of its public service is unpublicized, and consequently little known.

Actual disaster communication, while vital, is only one facet of the work undertaken by the club's members during emergencies. Following immediately on cessation of emergency conditions, one of the most difficult and time consuming services of the radio organization begins.

This service is the providing of what is referred to as "Health and Welfare Traffic", in other words, answering inquiries relayed via amateur radio from all over the country regarding the well-being of friends and relatives in affected areas.

Health and welfare operation continues in many instances around the clock for 24 or 36 hours. (Following Camille, it lasted many days.) Usually, such activity must be carried on under adverse conditions-it frequently is difficult to locate persons whose well-being is being queried, particularly if there has been any evacuation, or if emergency shelters are being utilized. And, quite often, telephone and electrical service is disrupted during the period.

Handling Welfare Traffic

The club's welfare traffic activities are wide-ranging. One member, following tornadoes in the Gulfport area, stepped in to coordinate inquiries from all parts of the United States. Harried operators in the coastal regions-most of them with low or emergency power-were in danger of being swamped with inquiries.

Assuming control of the radio network, the local operator listed all incoming inquiries and referred them to the proper coastal stations as they became free. Five other members of the club were assisting, and all traffic had been cleared by midnight.

And then, before closing down that night, the group served as a relay between a station in Merida, Yucatan, and Mobile, Alabama, and passed messages from members of an American archeological expedition in Yucatan.

Receive Awards

Many members of the club have received commendations and Public Service Awards from an international radio organization for their public service, as well as having been recognized by the State Civil Defense organization and the American Red Cross.

What sort of service would warrant such recognition? Here are a few examples:

Following an attempted revolt in Nicaragua, a number of U.S. citizens were held as hostages. After making contact with an amateur in Managua, a Slidell club member spent three or four hours setting up phone patches with Austin, Dallas and Houston, so that the Nicaragua captives could talk directly with, and reassure, their loved ones in Texas.

Similar activity was carried on during the Alaskan floods, the earthquake in California, and during tornadoes in Mississippi. And during the Venezuelan earthquakes, health and welfare phone-patches were handled for the wife of the American Ambassador in Venezuela.

How Does This Happen?

Competence in handling such messages does not just happen. It takes organization and continual practice with on-the-air networks to acquire and maintain the necessary skill, and to determine what amateur stations can be depended on to be available in various areas of the country.

For example, two such nets are presided over at present by members of the Ozone Amateur Radio Club. One club member has been manager of a net for 17 years-a net that meets seven days a week, year in and year out. Another net, the club's Louisiana Alligator Net, meets each Friday evening.

Nearly 200 amateur radio stations check into these nets, from Texas, Louisiana, Mississippi, Alabama, Florida, South Carolina, Georgia, Arkansas, Kansas and Pennsylvania.

Handled on these nets are routine messages from amateurs and non-amateurs, messages to and from servicemen, and from personnel on ships at sea.

To further their knowledge, club members enjoy talks by such notable lecturers as Dr. Walter Mickle, Jr., New Orleans neurologist and one of the original developers of the electroencephalograph; a laser demonstration; a program on computers; demonstrations on closed-circuit television and on television recorders; and talks and movies on technical subjects relating to radio design, maintenance and operation.

The club conducts-and in fact at the present time has in progress-schools on Morse code and radio theory for aspiring amateurs.

The local club does much to establish good public relations, not only in the U.S. but throughout the world. They are publicizing the Slidell area through their "Louisiana Alligator Net Certificate", issued to amateurs with whom members make contact on the air. The two-color, 8 1/2 by 11 certificate authorizes the holder to "call himself a Louisiana Alligator", and points out that it is issued by the "Ozone Amateur Radio Club, Inc., located in sunny Slidell, Louisiana, on the banks of beautiful Lake Pontchartrain in the heart of the Ozone Belt."

During the last year or so, more than 500 of these certificates have been mailed to amateurs all over North America, including Canada and Mexico, and to many foreign countries such as England and Japan. (Continued page 19)

Faces behind the voices of public service



WCARS officers

Standing left to right: Mel Lehman, K6TIC, Glendora, Net Coordinator; Mortie Smith, WA6SNE, Santa Monica, Net Coordinator; Howard Lakey, WB6RJG, Alta Loma, Vice-President/Net. Mgr; Wayne Nail, WB6CBW, Fremont, Director; Christine Silveira, WB6FYH, Colma, Secretary; Bill Schwarz, K6KZI, Daly City, President

Seated left to right: Len Clark, W6GFQ, Los Angeles, Treasurer; Fred Deeg, K6AEH, Culver City, Director; Merrien Swanson, K6KDB, La Crescenta, Director; J.C. Ellison, K6MVF, San Diego, Director; Norman Johnson, WA6QKE, Modesto, Director; John Stocksdales, WB6ABW, Lomita, Director; Thomas Eavenson Jr., K5BWZ, Norton AFB, Director; Not in picture is Ed Aston, WA6NJA, Northridge, Director.

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GUEST EDITORIAL

"Public Interest, Convenience, and Necessity" — all our readers are familiar with these words, which Congress established as a requirement for obtaining any radio station license.

To most Amateurs, the words have come to mean primarily public service. Certainly, emergency communications in a disaster — hurricane, tornado, earthquake or flood — is in the public interest. We can make a good case for services such as MWARS, and for stations that run phone patches to the men in Viet Nam.

Any ham who assumes, however, that activities such as these are automatically going to justify continuation of Amateur Radio and amateur frequencies is sadly mistaken. Fees for our licenses have been raised, Ohio increased its charge for Call-letter license plates, the commercial services and the CB'ers are pressuring the FCC for more room — and the general public couldn't care less.

What will happen if the recent interpretation of the rules that would bar amateurs from operations such as the Eye-Bank net, and service to civic organizations such as the Red Cross, is upheld and enforced? Certainly our competition will argue that it make up less "in the public interest." Also, too many hams who use amateur radio to serve the Red Cross, Civil Defense, and other worthy causes, subordinate their 'HAM IDENTITY' to the group being served.

So, let's get busy on our public relations. Amateur Radio itself IS IN THE PUBLIC INTEREST — as any ham who has delivered a message from a soldier to his "Mom," or helped a novice build his first piece of home-brew gear, or listened to a kid talk to his family about his first real DX, or his new friend in Europe, Mexico, or South America.

Two things we MUST do:

1. Take every opportunity to interest non-amateurs in our activities; talk about them — and
2. Whenever amateurs perform a public service, make sure Amateur Radio gets the credit.

By W8GRG in FAA C&E
Collector & Emitter

(from Florida Skip)

NU SIGMA ALPHA

INTERNATIONAL AMATEUR RADIO FRATERNITY

Harvey Morse, K1DJG

NU SIGMA ALPHA was founded by myself, Harvey E. Morse, K1DJG, in Boston, in 1968. The purpose of NU SIGMA ALPHA is to bring together all those who are interested in amateur radio, those already licensed and those desirous of becoming licensed, and to provide them with the support and benefits of an internationally recognized organization with a multitude of members located in countries throughout the world.

Our members represent all ages, countries, professions, and classes of licensed and unlicensed amateur radio enthusiasts. They are interested in all levels of amateur radio. As our organization has grown over the years, NU SIGMA ALPHA members will continue to establish local chapters and will seek to affiliate themselves with other amateur radio clubs and associations to further expand their activities, training, and knowledge, as well as to provide themselves with social contacts.

Our members receive constant updating in the rapidly changing technologies and applications of amateur radio, including FCC rules and regulations. We provide numerous sources of information to answer our member's many and varied questions.

Our group buying power brings true financial rewards and savings by securing sources of equipment and services at reduced rates. We also have special member DX stations listening for members only on a scheduled basis, countries and clubs who offer special certificates and like are placed on a specific frequency with the right amount of members from that organization to obtain the certificate, thereby enabling our members to make the required contacts in one swoop.

We have contests with actual prizes awarded to the winners, and all members may purchase NU SIGMA ALPHA official items as they are made available; and all members are eligible to receive an appointment from headquarters in one capacity or another.

Some of our functions include providing a free listing service to members to keep track of the serial numbers of their equipment in case of loss or theft, discussions of problems common to the membership in one of our many nets, to help guide and direct the aspiring amateur radio operator to proper recognition.

We offer assistance to those who wish to qualify for a higher class license and to any non-amateur desirous of obtaining his novice license, together with the necessary incentives and instructions.

We publish our own newsletter which is sent to all members, updating FCC rules and regulations, informative ideas and suggestions, and most importantly it houses our buy-sell-swap list, a most effective way to acquire or dispose of gear, not to mention news from our foreign chapters, news of our nets, profiles of our area representatives, and bulletins from headquarters.

We are also in the process of obtaining several NU SIGMA ALPHA club stations for the exclusive use of members, especially those who do not have their own equipment for one reason or another. Our members may also be elected to hold office in their local chapters, which we hope will be established wherever our members exist. (Our Belgian and Yugoslavian chapters are most active.)

Our objective is to create an international brotherhood of amateur radio enthusiasts, which knows no racial or political bounds, whereby members can become acquainted with other members having the same or similar interests. We also seek to promote a high standard of ethics amongst our members, and, as a matter of fact, if any of these are willfully violated, the offending member is expelled from NU SIGMA ALPHA and suffers a complete loss of any and all privileges and may no longer utilize NU SIGMA ALPHA QSLs, insignias, etc.

NU SIGMA ALPHA CODE OF ETHICS

1. I hereby agree to conduct myself in an ethical manner with all amateur radio enthusiasts both on and off the air.

2. I specifically agree not to cause any interference in any way to any other radio operator while in communication with another.

3. I agree to abide by all FCC rules and regulations. If there are any that I do not understand, I shall contact the proper sources for interpretation.

4. Courtesy will always be my prime consideration.

5. I shall conform to safe operating procedures by using interlocks, fuses, and other safety devices, and not locating my antenna(s) near power lines. Safety will be the main concern for myself as well as others.

6. I shall constantly strive to improve my operating procedures and to pass this information on to other radio amateurs.

7. I shall attempt to improve my code efficiency and aid in the improvements of others.

8. I shall attempt to be involved in the affairs of the radio amateur community as well as the general community.

9. I shall always listen first before I attempt to operate on any frequency.

10. I shall assist all other radio amateurs to the best of my ability when called upon to do so.

"Any member who violates this Code of Ethics or dishonors NU SIGMA ALPHA in any way, shall be expelled from this fraternity with a complete loss of any and all privileges."

MOTTO: 'NEVER STAND ALONE'.
Once you have associated yourself with NU SIGMA ALPHA you will truly have friends all over the world, and in fact, you will NEVER STAND ALONE!!!

(Continued on page 19)

About twenty students and prospective Handi-hams attended the Radio Week at Camp Courage in September. The purpose of the radio camp, which is sponsored by the Handi-Ham System of Minnesota, is to provide an entire week of intensive instruction to supplement at home study during the year.

Both code and theory classes were provided to prepare candidates for the FCC amateur radio exams given at the camp.

Camp Courage, which is located on a sparkling lake amid pine and birch in central Minnesota, was built and is maintained for the handicapped by the Minnesota Society for Crippled Children and Adults (MiSCCA).

Everybody had a good time and learned much from the capable group of instructors. The Handi-Ham System gratefully acknowledges the time, thought, and planning that the instructors gave in preparing their very effective presentations. The instructors were: John Pierson, WØPET; Dick Halverson, WØZHN; Ed Martinson, WØGYH; Cal Callaghan, WØRQJ; Bert Coil, WØBCT; Bob Hall, WØCRO; Rollie Paulson, KØOSS; Ward Jensen, WØTLE; Ralph Andrea, WØCFO; and Tony Tretter, WØKVO.

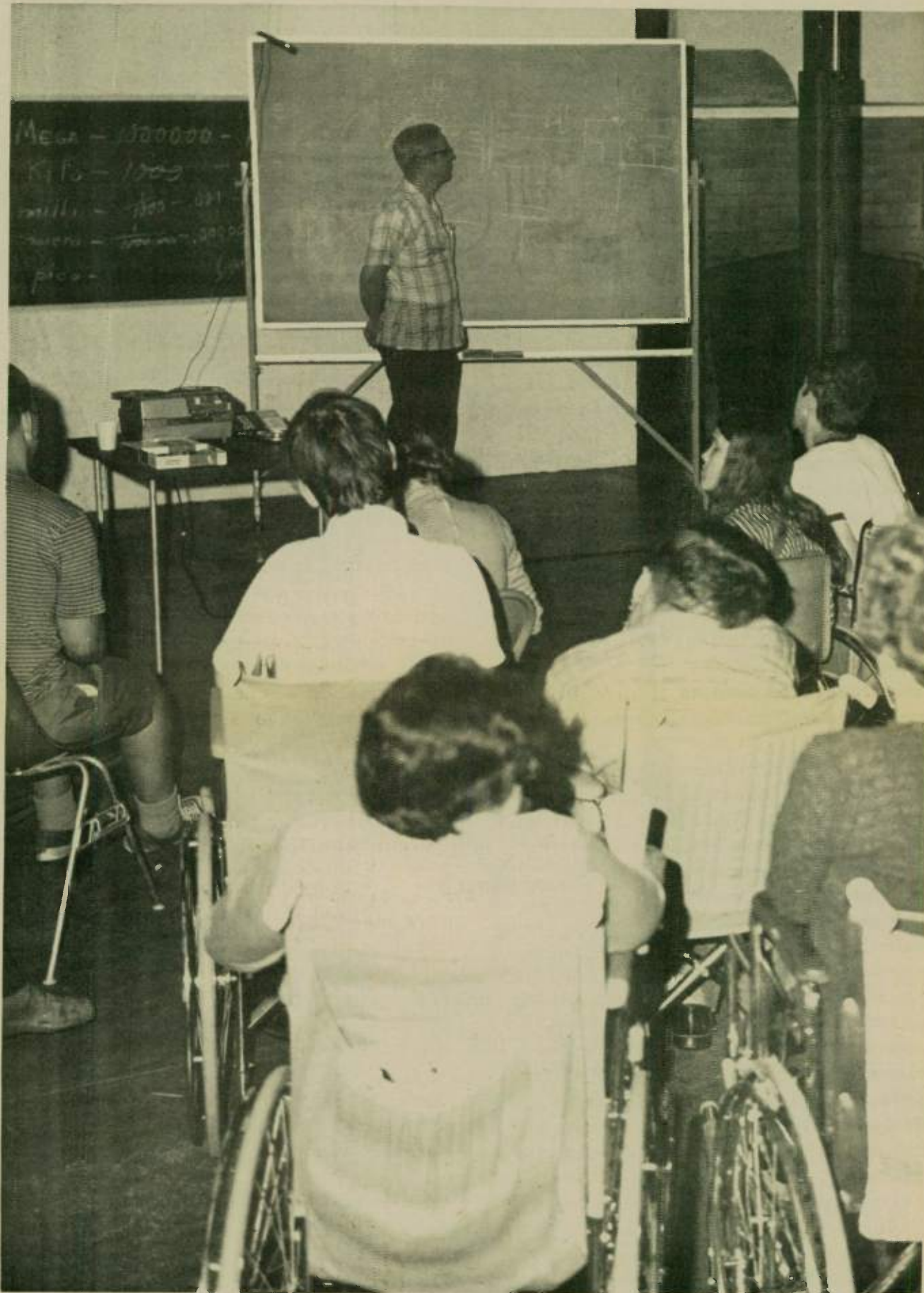
Once again that fateful day came when Harold Allen, as acting chief engineer, and Donald Murray, retired chief engineer, arrived from the FCC to administer the exams. We are fortunate to have such fine gentlemen in charge of the local FCC office.

Our congratulations to Handi-Hams Dick Eichorn, Joyce Goshorn, Mary Lunderberg, and Maureen McGowan on passing their general class tests. Dick Eichhorn has since then obtained another license, his marriage license to wed Anne Britton, a vertical (non-handicapped) he met through other Handi-Hams. Anne and Dick were married Oct. 9 at Sandstone, Minn.

Persons interested in the Handi-Ham System are encouraged to write to the Handi-Ham System, Inc., Box 532, Rochester, Minn. 55901

Handi-Hams sponsor 1971 Radio Week

Janice Robidoux, WØQXA



Dick Halverson, WØZHN, instructs student Handi-Hams on circuit theory during Radio Week at Camp Courage.

Photo by MiSCCA photographer Lyle Davis.



back issues
of *Worldradio*

World Radio History

- #3 9 August, 1971
- #4 9 September, 1971
- #5 2 October, 1971
- #6 25 October, 1971
- #7 15 November 1971

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Ham publicity

Andy Clark, W4IYT

Washington, D.C.

1. Be the only person from your group to contact news media. Two members calling the same newspaper editor or program director are bound to bring conflict or confusion.

2. Be quick to establish personal contact with the right person at each newspaper, radio and television station in your area.

3. Be sure to write everything down. Train your memory but don't trust it.

4. Be prompt in making deadlines.

5. Be legible. Type news releases. Double space and be generous with margins. Erase and correct errors. Don't use carbons except for your own files.

6. Be accurate. Double check dates, names, places before you submit your copy.

7. Be honest and impartial. Give credit where due.

8. Be brief. Newspaper space and air times are costly.

9. Be brave. Don't be afraid to suggest something new if you honestly believe you have a workable idea. Media people welcome original ideas when they're practical and organized logically.

10. Be business-like. Never try to obtain publicity by pressure or friendship or business connections. Never ask when a story will appear. Never ask for clippings.

11. Be appreciative of all space and time given your club's publicity. The media giving it also have space and time for sale.

12. Be professional. Members of the press are always invited guests. Never ask them to buy tickets or pay admission. Arrange a special "Press Table" for large banquets. **12**

The Information/Hospitality Committee provides a central clearing house for information regarding amateur radio activities in the Washington, D.C. area. Special consideration is given to visiting amateurs, and a volunteer staff of linguists is available to provide assistance. Chairman of the Information/Hospitality Committee is Bill Parrott, W4URL. Telephone (703) 893-8383 (between 8:00 A.M. and 8:00 P.M.)

-0-

The "Ham Publicity" information (left side of this page) was reprinted from the "Bulletin" of the Amateur Radio News Service. Andy Clark, W4IYT, is Editor of "Florida Skip."



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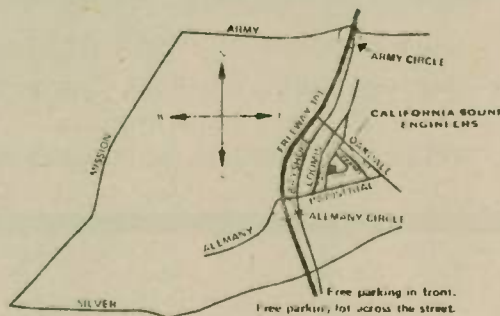
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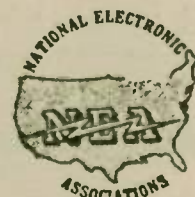
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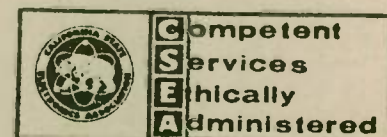
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OUR 25th YEAR



(Continued from page 1)

The El Segundo Emergency Communications Group is not new in the business of participating in air races for they furnished the communications at the America Cup 1000 Race, an event held in July of this year at San Ysidro, California, just south of San Diego. The equipment used mainly by the radio group is 2 meter FM, as well as a few VHF units on aeronautical frequencies, to communicate with the control tower and the race aircraft.

Eighteen amateurs from the El Segundo group were placed at sixteen strategic locations around the racing area. At Race Communications Control were Bob Hayos, K6CUK, and Frank Burnham, WA6WOS. They were stationed near the judges stand and functioned as the nerve center for the whole network of the communications system, and were in radio contact with the control tower and airplanes as well as with the other amateurs at their stations.



Amateurs stationed at the pylons were Ken Fiske, WA6SSO; Paul Nay, WB6BQH; Dave Maltby, W6EMF; Stan Sievers, W6LEY; Stan Dusza, WA6GGH; John Swancara, WA6LOD; Dick Brooks, WA6GCK; Gene Zobel, WA6IJV; Ed Sindeff, K6IJP; and Paul Arndt, WB6JOL. Harvey Renfeldt, W6FHY, took care of the pit area, Rich Tabke, WA6AQH, roamed the runway, and Chuck Benson, WA6FGK, was stationed by the emergency vehicles such as fire trucks and ambulance. In the control tower was Ed Cernek, WA6TZB, and Roger Gelatt, WA6MCI, was operating in a flexible mode, moving around in a general capacity as needed, while Bob Shaw, WB6RHF, was operating at the emergency strip.

The duties of the pylon crew was to report any aircraft that cut over a pylon during the race or qualifications and also to assist in time of emergency. The course was laid out in an egg shape with a total of nine pylons outlining the 1000 kilometer (621 mile) course. The first thing the hams did on arriving at the airport was to attend a short meeting to coordinate their activities with those of other officials. After the meeting they dispersed to their various posts to set up their equipment and familiarize themselves with the operations as the qualifying runs were to start at 1130 PST.

Around noon the wind came up from the northwest driving large heavy clouds over the airport, chilling the atmosphere to a considerable degree.

The only near disaster during the weekend happened Saturday morning when Sherman Cooper was forced to belly in his Sea Fury at the east end of the course, he was not injured but the plane was considerably damaged and was out of the race.

The weather on the morning of Sunday, November 14th had deteriorated considerably from what it was the preceding day, with a very strong, frigid, wind from out of the west. The main event was scheduled for 1300 hours, following a few events in the morning such as the opening ceremonies, an autograph session with the pilots, and an airshow which began at 1100.

Due to the ghastly weather there was not the expected number of spectators to view the air race which started shortly after 1300. There were no accidents during the race although a couple of planes had to make forced landings.

Frank Sanders in a Sea Fury won first place with a speed of 341.79 MPH and Howie Keefe, in a Mustang, placed second with 328.21 MPH. In third place with a speed of 323.84 MPH was Bill Jackson in a Mustang.

Again we have a fine example of radio amateurs giving their time and knowledge to aid in the efficient and safe operation of a public sporting event. In regard to their efficiency and competence, before the public, it is the opinion of this reporter that the El Segundo Emergency Communications Group put another feather in the cap of Amateur Radio.





On the go with Darleen, WA6FSC VR5DK et al.

(Continued from last issue)

Monday, October 18, 1971

Flew to Helsinki and after getting settled in a hotel, called Martin, OH2BH. Unfortunately, he was ill with a recurrence of malaria which he picked up on his DXpedition to Annobon. I then called OH5US, Pentti Paasonen in Kouvola and made arrangements to take the train to Kouvola the following day. In the meantime I contacted the Russian Embassy and found that it would take a minimum of two weeks to get the necessary visa to go to Russia so cancelled the trip to Leningrad.

Tuesday, October 19

Slept until 10:00 A.M. and got some much needed rest. Then I caught the train to Kouvola and was met by Pentti and Pirkko Paasonen, a wonderful couple. They had hoped I would stay an extra day with them as they had made arrangements for me to get a typical sauna bath. Pentti speaks very little English and his wife interprets for him. However, her English is a bit limited but we managed to communicate very well.

They have a beautiful home and they arranged for my Finnish license. Made only a few contacts due to the lateness of the hour and I think thus far that G3XBR is the only person who has worked me from all locations thus far. The weather was rainy all the time but quite mild temperature-wise. Pentti is the General Stores Manager of Kymmene Aktiebolag, Kuusankosi, Finland. When Pentti and Pirkko met me, they gave me a beautiful long-stemmed rose. Pentti was my first OH5 contact as WN6FSC and we have stayed in contact ever since. I was fortunate enough to work Pentti one of the first days I was active on 15 meters from Rodrigues as 3B9DK and have talked to him many other times since. Pirkko is an excellent cook and had some rather typical American food, a casserole with delicious cake and home made rolls. Certainly no place to go to lose weight! Then had another lunch around 10:30 with a beautiful fattening cake and Finnish coffee.

Wednesday, October 20,

Got on 80 meters to check with my friends in Norway and Sweden to let them know I had arrived okay and what my tentative future plans were. Then later in the morning Pirkko drove me to the local post office where I mailed the American and DX Callbooks to the Leningrad Radio Club, one was courtesy of DL5DC, Lou Davis, the other from DL3TB and DL3TBC, Fred and Barbara Laugner of Heide, Germany.



Fred and Barbara Laugner

Then around 10:30 A.M. Pirkko drove me to the Kymmene Aktiebolag Mills at Kuusankosi. One of the factory officials who spoke English took me on a tour of the paper mill. Much of the paper is exported to the U.S.--in fact, the Houston Chronicle, one of the Philadelphia papers, etc. Really fantastic and interesting. We then had a typical lunch at the company dining room with smoked fish.

Then it was nearly time for my train so they insisted on taking me shopping in Kouvola and bought me a souvenir of some drinking glasses and a Finnish pendant and chain which I wear proudly. Then they put me on the train and I was on my way back to Helsinki. The previous day I had made arrangements to stay in a local youth hostel type hotel (about the equivalent of \$5.00 a day and very comfortable).

Upon my arrival, Martin, OH2BH, called me and said he would be by around 6:30 P.M. He was right on schedule --what an impressive gentleman--I really felt honored to meet such a famous DXer and he greeted me with a long-stemmed rose, and the 3C1EG and 3C0AN QSL cards in person together with a beautiful color wedding picture. Then OH2YV and his XYL, OH2FB, Veikko "John" Velamo and Kristina "Marie" Velamo met us at a local bowling alley and then drove to OH2YV and OH2FB's home and OH5NF, another YL from Kouvola, who is studying at the university, also came by and we had a wonderful time and stayed until midnight.

Thursday, October 21, 1971

Today, John, OH2YV, took the day off from work and took me on a sight-seeing tour of Helsinki, really a lovely city. We visited a very unique underground church-Taivallahti Church, Temppeliaukio, Helsinki. The plan was based on the entry that won first prize in an architectural competition announced in August, 1960. The entry was titled "Stone Church". Construction was started on February 14, 1968 and it was consecrated on September 28, 1969. The main part of the church is a depression quarried into the rock, the floor of which is on a level with the street leading to the main entrance. The other premises have been built around the rock. The basic idea of the plan was to preserve the special nature of the square. We also visited the new Convention Center/Concert Hall which has just been completed. It is drawing a great deal of praise for its excellent acoustics.

Had lunch at a very nice restaurant overlooking the water near where the NATO people met a year or so ago. Then we picked up Martin and drove out to the airport for my return flight to Stockholm. Was sad to leave but perhaps some day I will have an opportunity to return to Finland, the land of many trees and very friendly people.

(Continued on next page)



Arrived back in Stockholm and for some reason had misplaced the telephone number of SMØEWM, Bjorn Noren and the Stockholm phone directories do not list in alphabetical order but a very kind gentleman asked me if I needed any help and asked me if I had the occupation of Bjorn, which I did, and he got the telephone number for me and then I arranged to meet Bjorn. It was great to see him, his lovely XYL, Gun, their daughter, Eva, as well as the cat, Pela.

Friday, October 22, 1971

Needless to say, slept late and then visited with Gun. She had done some checking with some of the charter companies regarding a flight to Tenerife, Canary Islands, and found a good one for one week for about \$70 round trip from Stockholm including hotels, etc. For the fun of it, we checked and were told at noon there were two seats available for flight the following day. In the meantime, Fred, DL3TB, informed me that Christina was asking about me and wanted me to meet her on sked at 1600Z on 14.340 MHz. For some reason I decided to listen a bit earlier and there she was talking to DK1DY, Margot, in Frankfurt so I broke in and we talked and I asked her what she had planned for the next week and she said "nothing" -- the usual things and I asked her if she would like to have a visitor (she had of course been inviting me to visit for nearly a year but I did not know how I would manage). In any event I told her I would check again with the charter firm and determine if there was any space available. There was one seat but we had to be downtown before 5:00 P.M. and it was now 4:45 P.M. and it took about 30 minutes to get there. They said they would only accept Swedish Kroners and I didn't have 299 so Bjorn said we would stop at Gun's place of employment and she gave us the rest of the money we needed and I got the ticket. I, of course, reimbursed them the following morning when the bank opened.

Saturday, October 23,

Finished packing for a one week trip to Tenerife. We were to be at the airport by 11:30 A.M. and for some unknown reason Bjorn said he thought he would put the Swan 350 in the car so we could operate mobile since it was about an hour's drive to the airport. When we arrived at the airport we were informed that due to bad weather in Copenhagen the plane would be delayed for five hours -- now, the big question was how to notify Christina -- lo and behold we were very fortunate and heard her on the band working DK1DY, Margot, a very good friend of hers in Frankfurt and desperately we broke hoping she would hear our weak signal since her mono-band beam was pointed south. Bjorn drove up on the only small hill we could find and we kept trying until she finally heard us 4 by 4 and relayed to Christina so she wouldn't be waiting at the airport for five hours. She lives more than an hour's drive from the Tenerife Airport.

Finally the plane took off and we had a lovely flight to Tenerife. Christina and Paco, her husband, were waiting for me at the airport and we drove to their QTH. They have a lovely home on a hill with the mountain in view behind and the sea about a mile straight ahead. Again, I was put in the ham shack -- my bad reputation about operating on ham radio had caught up with me. Anyway, Christina said let's take a listen on the band (it was about 0100 GMT, which is local time as well) and lo and behold 20 meters was open toward stateside with outstanding signals to all call districts and I ended up working on the air until 0600 GMT when I finally QRTd but did catch up with a number of friends stateside as well as VR2CC, Fred; VR2EK, Bill (he also holds the call W6AL and used to live in Lodi -- he has recently remarried and I even got to talk to his new XYL, a very lovely person and Bill sounded so happy and we, of course, are delighted with his happy news); also talked to ZL2ANA, Bert; ZL3QN, Fred Barber and ZL3IS, Gil Soares in Christchurch. Really just like home!

Sunday, October 24,

Sunbathing, visiting - showed them my slides and pictures of the many hams I have met so far and then also ham radio. Tremendous conditions on 10, 15 and 20. We set up a sked on 40 meters one night working cross-band to Ws. Conditions really got good about 2300 to 2400 but it is difficult to be on the air all the time -- us gals needed our beauty sleep.

° °

Monday, October 25,

More beautiful weather-sunbathing and ham radio and visiting.

Tuesday, October 26,

More sunbathing, went down to the beach and laid on the black sand (the island is volcanic and the sand is black). Christina and I went into the water which was the first time I had been in the Atlantic Ocean and the water was much warmer than I expected. Of course, we also did some shopping. The boat came in with fresh fish and we bought one and he was still alive. Wonderful to have such good fresh fish. They grow many bananas on Tenerife and many beautiful flowers.

Wednesday, October 27,

Four other local hams (all speaking Spanish only) came by and put some new guy wires on the tower and we took some pictures of them and will send them later.

Thursday, October 28

More sun and rest and ham radio. Conditions have been excellent on 15 meters and at times very good on 10 meters. Even talked to W6GRV at the school club station in the classroom at Madera High School.

Friday, October 29

Back to Icod for shopping and getting my hair done and, of course, in between stores, visiting and meeting many of Christina's friends. Back in the afternoon for more sun-bathing and ham radio.

Saturday, October 30

A sad day -- the day I had to leave Tenerife. I would, of course, remember with happiness Christina playing beautiful music on her magnificent grand piano and listening to the good phonograph records of the local Tenerife Island Band and our wonderful chats about mutual friends. Christina took me to the airport and had to return home as she was expecting more visitors. Unfortunately, the plane was delayed about three hours and I did not arrive in Stockholm until nearly midnight but Bjorn and Gun, SMØEWM and SMØFI were waiting for me. We finally went to bed about 2:00 A.M. after having some tea and fabulous Swedish cake and pastries. I had promised Fred Laugner, DL3TB, in Heide, Germany that I would come to the Mobile Rally the following day and show my slides afterwards. So, that meant leaving very early the following morning and, of course, my hated pastime, packing.

(Continued on page 22)

SAROC

Worldradio will be at
SAROC. We hope to
meet our friends.

SOUTHERN NEVADA AMATEUR RADIO CLUB, INC., P.O. Box 73, Boulder City, Nevada 89005
at
FLAMINGO HOTEL CONVENTION CENTER, LAS VEGAS, NEVADA 89109 - JANUARY 6-9, 1972

ADVANCE REGISTRATION - \$9.00 per person, entitles registrant to:

1. SAROC Special room rate, \$12.00 plus room tax, single or double occupancy, effective January 4 thru 12, 1972.
2. Advance Registration Drawing Ticket for Saturday.
3. Regular Registration Drawing Ticket for Saturday.
4. Ticket for Free Cocktail at Flamingo Hotel Bar.
5. Ticket for Free KENO Game at Flamingo Hotel.
6. Ticket for Admission to Ham Radio Magazine & SAROC Happy Hour, Thursday.
7. Admission to Technical Seminars, Meetings and Exhibit Area, Friday.
8. Ticket for Admission to SWAN Electronics & SAROC Social Hour, Friday.
9. Admission to Technical Seminars, Meetings and Exhibit Area, Saturday.
10. Each Lady who registers will receive additional tickets (without charge) for Transportation, Shopping Tour, Luncheon, Crazy Hat Judging and Program at the new Union Plaza Hotel, Uptown Las Vegas, Saturday.
11. Ticket for Admission to Hy-Gain/Galaxy/ & SAROC Cocktail Party with Leo, WØGFQ, at the organ, Saturday.
12. Tax and Gratuity on all items except your Hotel Room.
13. Flamingo Hotel Buffet Hunt Breakfast with Champagne, a meal equal to any banquet we have ever attended, just ask any SAROC veteran, Sunday.

ADVANCE REGISTRATION - 14.50 per person:

Includes all items 1 thru 13, plus Flamingo Hotel Mid-night Show, two drinks. Flamingo Hotel Main Showroom featuring Jack Jones and Myron Cohen

ADVANCE REGISTRATION - 17.50 per person:

Includes all items 1 thru 13, plus Flamingo Hotel Dinner Show (Entrees Brisket of Beef or Turkey). Flamingo Hotel Main Showroom featuring- Jack Jones and Myron Cohen.

Advance Registration must be mailed to SAROC and received by SAROC before January 1, 1972.

A ticket is required for admission to all functions, including the Ham Radio Magazine and SAROC Happy Hour, SWAN Electronics & SAROC Social Hour and Hy-Gain/Galaxy & SAROC Cocktail Party.

Requests for refund must be made in writing and received by SAROC before January 6, 1972.

FIFTH NATIONAL FM Conference scheduled for Friday and Saturday, with FM Hospitality Room taking care of the wee-hours technical discussions, 34/94 monitored.

Ladies workshop in their Hospitality Room Thursday and Friday to construct a hat for the Crazy Hat Contest on Saturday, for those who forgot to make or bring a hat.

WCARS-7255 and WPSS-3952 will provide assistance to those mobiling in from stations set up in their Hospitality Rooms, in addition to their scheduled meetings on Friday and Saturday.

1600 Club along with QCWA/OOTC, each have reserved Hospitality Rooms for arm bending, with some technical discussion scheduled.

Navy-Marine Corps MARS plan an operational display in the Flamingo Hotel Lobby.

Flamingo Hotel Buffet Luncheon \$2.75 on Saturday, includes Tax and Gratuity

Accommodations request must be made with Flamingo Hotel, Las Vegas, Nevada 89109 and received by Flamingo Hotel before December 15, 1971 to assure one of the SAROC Special Room Rate.

Greyhound Bus SAROC Charter planned out of the Los Angeles area, send to SAROC for details.

SAROC Group Flight planned out of Chicago, St. Louis, Omaha and Denver of Frontier Airlines, a scheduled air carrier. Send to SAROC for details on our convention-vacation package plan.

Exhibitors and Delegates have proclaimed that SAROC is one of the most outstanding conventions for radio amateurs in the United States; plan now to attend the 1972 SAROC.

.....
1972 SAROC ADVANCE REGISTRATION

Please find my \$_____ check or money order(no cash) enclosed for:

OM- Name _____ Call _____

YL- Name _____ Call _____

Address _____ City _____ State _____ ZIP _____

OM \$9.00(____), YL \$9.00(____), OM \$14.50(____), YL \$14.50(____), OM \$17.50(____), YL \$17.50(____)

Make my Flamingo Show reservations for: Thursday, Jan. 6th; Friday, Jan. 7th; Saturday, Jan. 8

Flamingo Hotel Buffet Luncheon/s _____ at \$2.75 each, Tax and gratuity included, Saturday

I have attended SAROC 0 1 2 3 4 5 6 times, please circle one.

I am interested in ARRL, Cocktail, DX, FCC, FM, MARS, RTTY, WCARS, WPSS, YL, Seminars

I receive CQ ECARS HR MCARS QST rpt RTTY SPARK/GAP 73 WCARS Worldradio WPSS WSSBA publications

COMMUNICATIONS-

Amateur Radio's Non-Secret Weapon...

A. David Middleton, W7ZC



A. David "Mid" Middleton, W7ZC/W5CA, has been an active radio amateur since 1919, and has been licensed over 50 years. His contributions to Amateur Radio journals and magazines have been widely read. He served on the staffs of QST, CQ, VHF Horizons and The Monitor.

His interest in the "thinking" side of ham radio began in 1928 when, aroused by the keen sense of responsibility and the outstanding ham-spirit of the late Colonel C. Foster, W6HM, Mid started working for a "better Amateur Radio."

Mid served two terms as ARRL Director, West Gulf Division, 1951-55. He is one of the founders and early officials of WCARS and is regional OOTC Director.

COMMUNICATION.(definition) "Act or fact of communicating; Inter-course by words, letters or messages; Interchange of thoughts or opinions; That which is communicated, a verbal or written message."

The American radio amateur is the most privileged individual in the world. We have many bands of frequencies, several types of emission and various methods of transmission from which to choose, plus excellent equipment. We may select our time of operation, the subject of our conversation and may direct these remarks to any amateur or amateurs of our own choosing.

There is no restriction placed on the American amateur as to subject matter, scope or objectivity as long as he does not violate regulations pertaining to the use of improper language. In truth, there is no subject that could not be discussed by American amateurs except those eliminated by common decency.

This article deals mainly with domestic communication between hams in our own United States of America. Communication with foreign stations must at time take on a different characteristic due to a variance with political ideology or customs. Briefly stated, however, the proper type of American amateur radio communication with foreign operators can do much to raise the American image abroad. Unfortunately, the reverse is also true and "Ugly Americanism" can do much to wreck international good will.

It matters little whether communication is by voice, code or RTTY. Basic laws of exchange of information apply to all modes. Some just take longer than others. Each radio amateur should be able to handle whatever mode he chooses with sufficient skill to permit him to fully understand what the other operator is saying.

o

The list of subjects overheard in amateur communications are wide and diverse. In a few instances they include items of informative value and interest to both the participants and to the casual listener-in, be he amateur or the general public. However, one of the least discussed subjects on the air is Amateur Radio itself!

One hears interminable exchanges of "signal reports"; "the rig here is--"; "I am using the Z line, bare-foot--"; "my antenna is an ABCD special-fed with 51.2865 -ohm cable--" ad nauseum! Also included in today's stereotyped amateur conversation are comments on "the weather", "band conditions"(which are usually lousy and crowded), "the handle" (which seems to be of considerable importance but promptly forgotten 10 milli seconds later) and sometimes, "the job" or "age" or even a family description including the state of Junior's teeth!

Conversations between amateurs acquainted with each other may omit some of these features, but normally the initial few minutes of a QSO are taken up with drivel and after that COMMUNICATION(see definition) ceases. Sometimes the QSO degenerates into mere nothingness!

There is absolutely no place on our bands for much of the banal, low-IQ talk, idle "humming and hawwing", the oft-heard phoney dialects and the pointed, barbed and caustic "joshing" that goes on-especially on the phone bands where some operators fancy themselves as Beverly Hillbilly types and barn yard humorists!

If an amateur operator does not have something to say, and if he does not know how to say it, he should stay off the air and let someone else use that valuable frequency! This applies to OT, beginner or Novice alike.

Inexperience in operating techniques does not mean a lowering of the IQ of communication! Skill will come (in any art) from useage and experience plus an incentive to be a better operator. Good conversation will help stimulate this skill.

This does not imply that all QSOs should include information of "world shattering importance." Far from it, as the background of ham radio is fellowship and this can be expressed in many ways, and in each operator's fashion, without "corn."

But to take up space on our crowded bands, just to kill time, is to also help kill Amateur Radio.

It has been observed that the IQ of any conversation will rise and fall with the participants. Sometimes a seemingly inane roundtable or two-party QSO can be uplifted by the interjection of a worthwhile thought or subject.

(Continued page 18)

It appears that some amateurs are afraid(why?) to open up on a non-routine subject for fear of ridicule or derision by those not having sufficient IQ to recognize the merits of such action. This fact often defeats a two-party QSO wherein one of the operators is simply unwilling to put forth any "brain energy" to maintain communications. (Again-see definition). Hence the remarks stay at a low level of intelligence and the whole QSO takes on this colorless aspect. But, let some brave soul trigger the contact with a thoughtful comment or question and the dullards will drop out and those intrigued by the action will stay on-and a fascinating and informative QSO will result.

One seldom hears a discussion on the air regarding Amateur Radio, its basic aims, purposes, goals and how to achieve them. Bragging about equipment, certificates, records, or such matters does not enhance the art nor does their mere possession insure that the American amateur will continue to enjoy his privileges on these precious frequencies. It is admitted that personal achievements constitute an important part of being an active amateur and are, in some ways, a measure of one's ability and prowess as an amateur. There are many amateurs who have none of these tangible assets yet have made tremendous contributions through their untiring efforts. Amateur Radio savvy and experience are our greatest assets!

There are five basic facets in Amateur Radio. 1) Technical skills and abilities. 2) Communication with distant points, at will, under normal operating conditions and a knowledge of propagation that will permit such acts. 3) The ability to communicate, under stress of emergency conditions and dire need, and to transfer vital information to a distant point. 4) Exchange or relaying of third-party traffic(an almost obsolete aspect due to the cheap and fast methods of written and spoken message transmission by commercial media, and due in part to lack of sufficient operating skills on the part of today's amateur operator to furnish reliable transmission and delivery of such traffic), and 5) FELLOWSHIP.

In order to continue to enjoy the privileges of being an amateur and to be able to participate and to contribute to the above categories we must utilize Amateur Radio itself to bring about a greater understanding of what Amateur Radio is, and how it can be improved through better technical and operational skills.

No one can do this for us. It is up to the individual amateur to keep himself informed; to disseminate information to other amateurs; to freely discuss, without reservation, any phase of Amateur Radio that will bring about this broader understanding, and more ham fellowship, that is so direly needed.

Each amateur should be personally intrigued and concerned with such matters as-incentives; utilization of frequencies in the most effective manner; the problems of an exploding amateur population; and the technical characteristics and operation of equipment, both purchased and home-built, including antenna systems.

Each amateur should be concerned with the proper integration of the Novice and Technician into the overall Amateur body. He should be interested in club and organizational activities, youth and beginner training programs; the policing of our bands, by amateurs; the increasing amount of deliberate and malicious interference by certain licensees; the rising amount of QRM caused by illegal testing on the air; and Amateur Radio "politics."

A collollary to this is the abysmal indifference by many amateurs to the vast amount of printed informative material currently available in national and regional Amateur publications and journals. It is hard to understand how the overall amateur body can be as ignorant and as casual as they appear to be about matters pertaining to their very own amateur status, both regulatory and equipment-wise!

It takes years of study, concentration and considerable ability to become proficient at a job, a sport or a hobby. One gets out of anything what he puts into it! Amateur Radio can be a marvelous tool and service or it can be a bore.

There has crept into Amateur Radio an indifference to the lore, background and legend of the art. There is also a growing trend toward mediocrity, which some licensees attempt to overcome through the addition of more power to their linears or by sheer poor sportsmanship in "taking over the frequency." In by-gone days when we lacked the availability of the 10 percent-down packaged station and antenna system deals, amateurs relied on their own skills as technicians and operators to "get out" better with a clean signal and top-notch operating savvy!

There appears to be a "fear" present that keeps one amateur from informing another just how horrible his signal may really sound. And it is the custom to gloss over lousy modulation, splatter, key-clicks and power thumps with downright incorrect reports, so that one "does not hurt the other operators' feelings." FCC, having no such "fear", may issue a citation, if they observe such practices. But the FCC is a busy group of overworked people and much of the policing of the ham bands, unfortunately, is left to the amateur himself which surely does not work!

Too often, when a subject(departing from the "RST", 'rig here", "handle" jazz) is brought into a QSO, the other operator will either A) ignore the subject; B) there will be a sudden(?) burst of QRM; C) or he will inform you that he does not wish to discuss "that controversial subject."

During his directorship in the West Gulf Division the writer often tried to ascertain the Amateur Radio political opinion and reactions of other amateurs, both on and off the air, only to be told that such a subject was "too controversial" and should be left up to ARRL to decide! Such a viewpoint is ridiculous! The writer has only one solution-tune away from that fellow and find someone who is at least willing to discuss his own welfare, even if he will not discuss the other fellow's.

An informed public is an alert public. An uninformed person simply does not know what is going on! Modern radio, TV and the press spend millions to air panel discussions. The American amateur has his own panel show availability in his nets, the round-tables, and even in a two-party QSO. We do not have censorship, sponsor-taboos, or biased editorial control. We do have the right of FREE SPEECH for all. Why not use our Amateur Radio to advance ourselves technically, to promulgate better understanding of the art itself, and to foster a keener regard for the once well known - HAM SPIRIT!

The above first appeared in the January, 1964 issue of "The Monitor." The article was recently sent to Worldradio by the author. The issues he discussed are as timely today as when the article first appeared.

More articles by the well-known A. David Middleton, W7ZC, are coming in future issues of this newspaper.

PARTNERS

(From page 6)

YOU CAN'T HIDE

Think you can hide from an emergency or an urgent one? Not so with amateur radio. The president of the Partners of the Americas, Alan Rubin, got a hand delivered message on an Indian island off Central America where the only communications was via radio. Needless to say it gave him quite a thrill to have the Indian boy shove a message into his hand. A coordinator for AID had his dinner interrupted in a restaurant in Rio. A Partner in Brasilia had his Sunday golf game interrupted. You just can't hide when the hams are after you and they can locate you when all other means fail.

PLANE CRASH IN THE AMAZON

A frantic mother, going out of her mind! Was her son on the plane? How possibly could one ascertain this information? PY7VP did and quickly too. The mother survived! Her son was not on the plane, he had gone on another one.

SCHOOL OPENS, WE CAN TAKE ONE

One more fortunate youngster patiently waiting in Rio Grande do Norte for a U.S. education got the word. Via amateur radio went the word, send Paulo Bezerra de Melo, born 1952, we have found a home and a high school. Arranged by the Maine Partners, one more of many students the Partners throughout the States assist in getting their education was on his way to a career and just in the "nick of time". Amateur radio can keep this boy and his family in touch as it does for so many other hundreds throughout the world.

LONG HAUL

A medical message from Brasilia to Maine to Phoenix, Arizona. Serious, urgent, important to some people far from home. An example of the many assists rendered via hams every day. A public service, invaluable, one for which the people involved will bless the ham radio for the rest of their lives. At the conclusion of the traffic the Brazilian ham was heard to say. "I will pray for the life of your father". A pure example of the feeling, goodwill, interest, dedication with which hams all over the world bring people closer together in a spirit of friendship.

Nu Sigma Alpha

(From page 12)

The following is available to all members:

Attractive membership certificate suitable for framing - Handsome membership identification card - Newsletter - Official NU SIGMA ALPHA eyeball QSO cards - Various contests and awards - Personalized rubber stamp - Official NU SIGMA ALPHA jewelry - Official QSL cards - Decals with our insignia - On-the-air nets - Cash discounts at affiliated suppliers - Membership directory - All issued publications - Attend local meetings as chapters evolve - Attend NU SIGMA ALPHA auctions - Attend conventions - DX QSOs with rare stations listening for our members only - But, sell, swap lists - Official appointments from headquarters - Registration of equipment in case of loss or theft - NU SIGMA ALPHA log books - Special mailings from affiliated companies - Use of all NU SIGMA ALPHA items as they are made available.

NU SIGMA ALPHA NETS:

International Net meets on Sunday, 14.310 MHz at 2100 GMT.

40 meter CW Net meets Tuesday, 7.085 MHz at 9:00 P.M. EST.

20 meter CW Net meets Thursdays, 14.085 MHz at 9:00 P.M. EST

Belgian, Yugoslavian, South American, W4 and W8 nets are in the works.

NSA nets will handle traffic when necessary, but are primarily set up for social gathering, DX stations, bulletins from headquarters, membership discussions, and things pertinent to NU SIGMA ALPHA.

Membership dues: \$5.00 U.S., \$6.50 Foreign (exceptions made under certain conditions)

Current Membership: In excess of 700

BOARD OF DIRECTORS:

Harvey E. Morse, K1DJG
Richard Greggorio, K1RAW
Stanley F. Kier, WN1OHL
Barry Anderson, WA1KCJ

Area representatives located in each State and throughout the world.

Anyone interested in joining may send for our free brochure: NU SIGMA ALPHA, Box 310-W, Boston, Mass. 02101

Ozone ARC

(From page 8)

Individual members also exchange cards, many of them pictorial, with other amateurs to whom they talk, publicizing Slidell, St. Tammany Parish, and Louisiana. Many hundreds of these cards are exchanged with amateurs in all parts of the world annually. In addition, club members spend many thousands of leisure hours at microphone or telegraph key "chewing the rag" with other amateurs worldwide, and extolling the virtues of their home town.

The club also has a monthly publication which, in addition to being widely circulated among individual amateurs, is exchanged with other "ham clubs" throughout the United States. The publication has, during the past year, received three awards for excellence from the Amateur Radio News Service.

While this is by no means a compilation of all the activities of the Ozone Amateur Radio Club, it is indicative of their varied activities, which of course are performed simply as a public service and without remuneration, using the individual's own equipment which he has either purchased, or constructed, or both.

Ozone Amateur Radio Club
P.O. Box 553
Slidell, Louisiana 70458

amateur radio's NEWSpaper: Worldradio

is two-way communications. Send in news and information. Share your knowledge and experiences with your fellow amateur and Worldradio participants. We are also interested in your comments, suggestions and constructive criticisms.

Worldradio has a Swan 270 Cygnet, in carrying case, available for loan to medical personnel, relief agency staff, etc., going overseas on the short-term volunteer tours. The rig operates on 220 volts A.C.

The next issue of Worldradio will have a profile story about Jukka Heikinheimo, OH2BR, by Bob Moore, W3AXR, and another on Ed Everest, XE2YX, who operates a school for deaf-mute children in Mexico, by Stan Kellogg, W6KPR. Another special feature will be the DX news-reel.

■ People Helping People

imra



Sister Mary, WA5VBM

"This is HK5AZA with emergency traffic. Do you copy?" "Roger, Roger, HK5AZA this is WA2BPV. State the nature of your emergency".....

This is how it started for the IMRA, but for the Edward Botero family of Cali, Colombia, it started earlier that afternoon with the screeching of tires and the breaking of glass when the car carrying their son, George Edward, collided with a city bus. In the accident, George's left arm was torn off just above the elbow. The severed member was recovered from the pavement and placed in the ambulance with the injured boy who was taken to the University Hospital.

A team of doctors headed by Raphael Gonima Gomez and Hernando Gutierrez de las Casas decided to try a re-implantation of the arm, but it was imperative that 20 bottles of blood plasma be obtained at once in order to replace what the patient had lost and to save his life.

When news of the urgent need for plasma reached the amateur radio operators of Cali, the Ham Radio Emergency Net swung into action with HK5IW, Fabiola de Pons, sending out the first call for help. However, it was HK5AZA, Ana Elisa Pardo de Ramirez, who brought the request to the IMRA and set off a whole new chain of action.

As Net Control of the IMRA, Warren used his prerogative to close down all net operation in order to handle the emergency on the IMRA net frequency and to set in motion a pre-arranged order of activities for net members.

It was quickly determined that the nearest and quickest place to obtain the needed plasma was the Canal Zone and net members were dispatched to find a Canal Zone station, inform the station of the need, and bring the station to the net frequency. Other stations moved their listening frequency to a position just below and just above the net frequency to intercept anyone who might inadvertently QRM the emergency frequency. Two stations were sent below and two were sent above. **20**

Within a few short minutes, KZ5EE, Ernie Wachter, Albroom AFB, broke in to say that he had been requested to come to this frequency to handle emergency traffic into the Canal Zone. With Ernie's help, KZ5CK, Jim Sohn, Ft. Clayton, was contacted because it was believed that he would know where to get the plasma. He did!!

With the doctor in Cali, Colombia, giving instructions via Ana's phone-patch and Ana translating so that Warren could relay to John Chavalier of Cutter Laboratory in Panama via Ernie's phone-patch, the information was quickly transmitted. As soon as Chavalier became fully advised of the gravity of the situation, he placed 20 bottles of blood plasma (250 grams each) at the disposal of the doctors in Cali.

At 0700 GMT the IMRA was able to relay to Ana, HK5AZA, that a plane was being dispatched from Howard Air Force Base to carry the life-saving plasma to George Edward Botero in Cali, Colombia. The plane would be one of the C-47's belonging to the "Special Operations" squadron whose motto is: ANYTIME-ANYWHERE, and it would leave the Canal Zone at 1430 GMT to arrive in Cali at 1710 GMT (around noon local time in Cali).

Meanwhile, the surgery of reimplantation was being performed in a five-hour operation which involved reconnection of the arteries and blood vessels, reuniting of all the muscles, and the setting of the bone by placing a pin in the center of the humerus. It was decided to observe the patient's reaction to this surgery before reconnection of the nerves and tendons.

In less than 18 hours, the needed blood plasma arrived. It would be nice if we could report that everything went well from there on, but after 9 days, the youngster began to show some temperature changes which were at first thought to be a normal reaction, but which turned out to be the first symptom of what was to come. On a Tuesday, just eleven days after the reimplant, infection set in and the doctors had to amputate the arm.

14.280 MHz

To this date, more than a year later, George Edward Botero is well and in good spirits and the IMRA Net still receives reports on his welfare through Ana Pardo Ramirez, HK5-AZA and Warren Mulhall, WA2BPV, who played such dramatic parts in saving his life.

Monthly Officers Meeting of the IMRA
October 27, 1971

On frequency: President, W6BSO; Vice-President, WB2OFZ; Recording Secretary, W3FUS; Membership Chairman, WA1FKE; Net Chairman, WA5VBM; Regional Director, WB4-JOB; NCS, WA2FLI; NCS, WB4PLS; Member-Observer, WB4SFG.

How net operations could be improved was the subject of the meeting. It was decided the the net chairman send a letter to all NCSs with suggested operating procedures listed.

Some of the suggestions: NCS report should consist of: Date-number of check-ins-amount of traffic handled. This will eliminate the necessity of reporting traffic according to the break-down of phone-patch, formal or informal message.

NCS will add to his opening format, "This is a directed net. Do not list traffic or make comments until you have been recognized by Net Control."

NCS should send stations off frequency for short informal messages as often as possible. However, each situation merits its own consideration and if the NCS should decide to let a message pass on frequency, his decision is final.

As soon as a time and date can be arranged, there will be a monthly meeting of net control stations and assistant net control stations. This will allow for a personal discussion of ways and means of effecting efficiency in operating the net.

Also under consideration was the subject of the Monitoring Service. It was decided to send out a questionnaire to all monitor stations asking for the following: 1. Do you think the Monitor Service is worthwhile? (give reasons pro or con, if you care to). 2. How much traffic have you handled as a monitor station during the past year? (estimate)

The same type of questionnaire will be sent out to mission stations by Father Len.

On a quarterly basis, a record of disbursements of The Worldradio Foundation is reported on this page. As explained on page two, 10 percent of your subscription fee is divided among the listed projects.

Since our last report we have gained 191 subscribers as of the day of this report, 20 November 1971. Thus a total of \$95.50 will be divided among the organizations so mentioned.

We had hoped to report a far higher total but that is of course dependent on the subscriber participation in the Worldradio project. In order to gain 191 subscribers it was necessary to send out 7,000 sample copies. Our return is about three percent. Which also means that 97 percent of the hams who have received a sample copy of Worldradio have apparently turned their backs on what the paper stands for.

We are surprised that in this day when publications advocating racial hatred, drugs, perversion, revolution, etc., are flourishing, a publication that stands for the best in people is being almost ignored by its intended audience.

We hear a lot of lip service to "all we see is bad news, why doesn't somebody print some good news," well, we don't know of anyone that prints more "good news" than we do. Every issue has featured stories of amateur radio operators involved in life saving efforts and other good works.

We are at this point wondering if the vast majority of hams who have received sample copies are just not interested in a journal that reports on public service, humanitarian actions and international friendship.

It may be that they compare us to other longer established publications who have large advertising revenues and put out a fatter product. They should know that every publication starts out small and takes time to grow. In order for it to grow it needs support at the beginning. We certainly have plans to put out a larger paper when finances make it possible.

At present we have a total of 413 subscribers. We are very proud of the people that are participating in this effort. Their letters show that they are the enthusiastic type of people. They see the potential of this paper and want to be involved. They are an excited, and thus exciting, group.

In just the past few days we have received some outstanding articles which will be in the next issue. It is indeed a tribute to the caliber of our readers that a base of 413 readers/contributors enables us to put out a publication of even its present size. The question must be raised, if we are able to put out this much based on this number of subscribers and contributors what can we look forward to when we attain the growth we hope for?

Coming out as often as we do, (every three weeks) and it is done so that the information we print is current, our schedule has us making quite a contribution to the coffers of the post office and the printer. There have been several readers who have on their own elected to support this project above and beyond their subscription fee. Such was a surprise, warmly received and most helpful. Those who wish to do likewise will indeed be the eventual recipients of their generosity. The main effort now is getting copies of the paper into more hands so as to generate more articles and thus a more informed readership.

EDITORIAL

Armond Noble, WB6AUH

It is also most important to gain more subscribers so as to break out of the financial waste brought on by short-run printing. We could put out almost twice as many pages as our average issue has been if our subscribers were up in the thousands rather than in the hundreds.

Many readers have written in calling it "our" paper. Such is exactly the spirit we had hoped to create. Well, "our" paper needs a little help. Send us the name and address or the call of an amateur that you know who might be interested in Worldradio and we shall be pleased to send them a sample copy. With the Christmas season here you may wish to give a subscription as a gift.

Lest any of this be misinterpreted, let us make absolutely clear that Worldradio will always be here. The many letters from the wonderful people that enjoy this paper have intensified our personal conviction regarding our journalistic obligation to them. We believe such people deserve a news source devoted to their interests.

We hope in the near future to receive some more volunteer help from amateurs here in the Sacramento area (the entire staff is part-time volunteers) which will allow us to put out a better paper.

Readers who have been with us for a period of time will notice that, even with the limited participation, this issue has 50 percent more pages than the paper had a few issues ago.

Worldradio is climbing upwards, but we do need your help in holding up the ladder.

PENN STATE RADIO CLUB WELCOMES JAPANESE VISITOR.

Dr. Shin-ichi Hirano, JA2AXG, researcher at the Tokyo Institute of Technology, is welcomed as an associate member of the student amateur radio club at the Pennsylvania State University, WA3HCG. Greeting him is Richard Cochrane, WA3LLV, club president. Dr. Hirano is spending this year doing post-doctoral research at Penn State's Materials Research Laboratory. Dick is a junior in civil engineering from Camp Hill, Pa. Dr. Hirano sure wishes we had third party privileges with Japan. He recently phoned his wife.

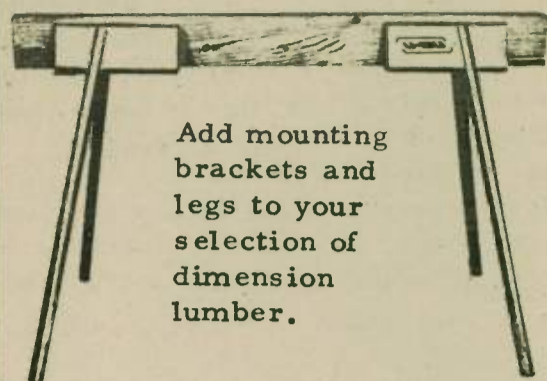
(de Mary Neilly, XYL of W3LNU)



RIG

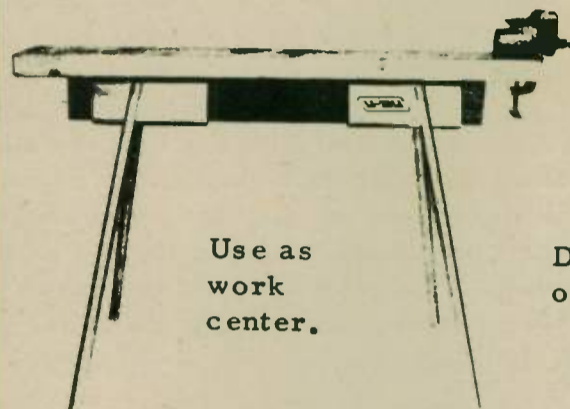
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feedback

A publication with a definite future...wishing you every success...V. Mayree Tallman, K4ICA, SSB'er #1

I think this sort of thing has been long overlooked...
A. David Middleton, W7ZC

The amateur fraternity has been in dire need to express their "service to mankind" capabilities and your publication is "tailor made" for that...Frank Phillips, W5QPH/9

Your Worldradio Foundation and news publication is to be highly complimented. The Foundation is an excellent way to unite the world's hams in a common public service commitment...Capt. Thomas Eavenson, Jr., K5BWZ

I am sure it will be appreciated all over the world. It is easy to read...Sven Elfving, SL3ZO

Worldradio helps me to learn more English...Fred Laugner, DL3TB

With ear to the ground at all times for news etc., I can tell you that "Worldradio" has been accepted...Harry Tummonds, W8BAH

Just finished your latest issue and I liked it fine. There is a lot of information therein. Keep up the good work and keep those enjoyable issues coming...Ralph Anderson, KØNL

You've got a good publication there! Gabriel Gargiulo, WA1GFJ

Darleen

(Continued from page 15)

Sunday, October 31

Got up at 6:00 A.M., finished packing and at 7:00 A.M. we left for the airport again armed with the Swan 350 mobile and this time, for once, the plane left on time. It was a cold, crisp morning but clear and sunny. The plane left at 8:50 A.M. and at 10:15 A.M. we arrived in Hamburg where it was foggy and cold (just like Sacramento is in the winter--Hi). Fred was waiting for me and we immediately drove to Heide, had lunch and then participated in the Mobile Rally. I took some pictures and will get them developed in Stuttgart. Then, afterwards we showed the slides of my trip so far. Went to bed early completely exhausted.

Monday, November 1

Time to pack again and catch up on a few loose ends. Got my hair done and made arrangements to catch the ferry at Brutsbittel to Cuxhafen, where Joe Glockner, DL5GJ, met me and drove me to their QTH in Bremerhaven. Joe is with the Navy and I stayed at their home. Got on the air on 15 meters where conditions were excellent

and made contact with a few old friends. That night we had a number of the local hams over and I showed my slides and pictures and didn't get to bed until nearly 2:00 A.M. Some day I am going to sleep!

Tuesday, November 2

Spent the day at the home of Joe Glockner and his XYL, Glenda and their charming daughter, Jenine. I talked to Joe when I was WN6FSC and his daughter was then only three weeks old. He is WA6AXE from the Los Angeles area.

Wednesday, November 3

Did a little shopping, mailed some parcels and made a few contacts in the YL contest but very poor condx. Also, made seat reservations on the train to Rotterdam and called PAØPHO, Truss, and she is going to meet me when I arrive. Joe, his XYL, Glenda and Bob Sullivan, DA1SU, and Mary, his XYL and I went to a local Chinese restaurant for dinner. A real treat for me, my last Chinese dinner was in London. My call sign for Leichenstein, starting about Nov. 13 or 14 will be HBØXIC.

Thursday, November 4

A cloudy, windy and cold day with a little rain. Just finished packing and talked to a couple more YLs. The train leaves at 1522 local time and is scheduled to arrive in Rotterdam at 2218 where Truss, an XYL, PAØPHO, will meet me. I will spend the night with her and her two harmonics and will leave probably tomorrow afternoon for Brussels with Andy, ON4OB. (Continued next issue)

take pictures



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Dec. 1971

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hams help air race

Late News

this space is for last minute news or information - deadline: 26 hours before mailing - call (916) 456-6725 with news.

The FCC has issued special call WM1NSA for the period December 6th through 13th to Nu Sigma Alpha. (See story on Page 10 this issue of Worldradio)

On 16 November at 10:08 A.M. local time Sheppard Stell, W4FEW/6, was mobile on I-15 heading towards Los Angeles. Forty-five miles west of Las Vegas he was waved down by a motorist who told of three children having been overcome by carbon monoxide fumes. Sheppard made a triple break on WCARS with Howard Lakey, WB6RJG, as Net Control. Lloyd Poore, WB6OAO, in Bakersfield called the local office of the California Highway Patrol who rolled a unit out of the Barstow office. The children received the necessary aid and all recovered.

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