

# Worldradio

7 Feb.  
1972  
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international friendship-local public service

## A Lot's Happening in Amateur Radio! Saving Lives — Working DX — Havin' Fun at SAROC



**MERCY CALLS PRINCIPALS** — Dr. George Vergara, USMC, of Naval Hospital Staff, and Capt. Robert Olsen, USN, of 5 Halidon Ter. prepare to talk to ham radio operator in Chile concerning condition of Chilean policeman. Dr. Vergara

recently arranged shipping of plate to be inserted in officer's skull tomorrow. Officer was injured in riot. (Daily News Photo)



Leonard Norman, W7PBV, SAROC major-domo handing out the goodies.

### SAROC

Do Hams enjoy themselves at SAROC? They must, for they keep going back!

Jetting in from throughout the country 1,400 hams and family attended the 7th annual Las Vegas bash.

It was truly a gathering of the leading personalities in amateur radio. Many friendships were made and many old ones were renewed.

Practically every manufacturer had a display and most of the ham publications were represented.

In a festive atmosphere a great deal was accomplished among members of (Turn to page 4, please)

## Navy Doctors Save Chilean's Life

By T. CURTIS FORBES

Because of the quick thinking and cooperation of several persons, including a local ham radio operator and a local doctor, an obscure Chilean policeman will be able to celebrate Christmas.

Arturo Anabalon of the Santiago, Chile, police force is scheduled to undergo an operation tomorrow in Chile, during which a titalim (a metal not available in Chile and used as a substitute for platinum) plate will be inserted in his skull.

The plate is necessary because of a fracture caused when a load of bricks was dropped on his head from a four-story height during a riot.

(From the

"Newport Daily News", Newport, Rhode Island)

The operation probably would not have come about, if Capt. Robert Olsen, USN, of 5 Halidon Ter., a ham radio operator for 40 years, had not befriended a Chilean ham operator with whom he converses nightly.

On a recent evening, he and another friend, Dr. George Vergara, USMC, of the Naval Hospital staff, were talking to the doctor's father who is visiting relatives in Chile. The conversation has been pre-arranged by Olsen's Chilean ham operator friend, Alex Chanes, a friend of the injured policeman.

At the end of the doctor's conversation with his father, Chanes told the doctor about his friend's problem and asked if something could be done about it.

Dr. Vergara said he would try. Within 38 hours the plate was in the hands of Dr. Leoncio Matus, a Chilean surgeon.

After leaving the Olsen residence, Dr. Vergara called a medical associate, Cmdr. G.A. Figueroa, chief of neurosurgery at the Chelsea Naval Hospital.

The neurosurgeon, with the permission of Capt. C. Muehe, the hospital's commanding officer, took the plate the next day to Logan International Airport and asked a representative of National Airlines to take the plate to Chile on a medical mercy flight.

The National representative agreed to take the plate to New York provided Lan Chile, the Chilean airline, would take it the rest of the way.

The Lan Chile representative

agreed, and the plate left Boston at 2 p.m. and was bound for Santiago on an 8:15 p.m. flight out of Kennedy International Airport.

By 10 a.m. the following day, the plate was in Chile, where it was picked up by Olsen's ham radio operator friend Chanes.

The plate, the largest made, was scaled down to fit the patient's requirements. As of this weekend, the patient was reported resting comfortably and preparing for his operation on Wednesday.

The incident was accaimed by Chilean officials and it is doubtful the Americans who helped the obscure policeman thousands of miles away will ever have to worry about parking tickets, should they visit Santiago.

### PY4RT·PY4AKL

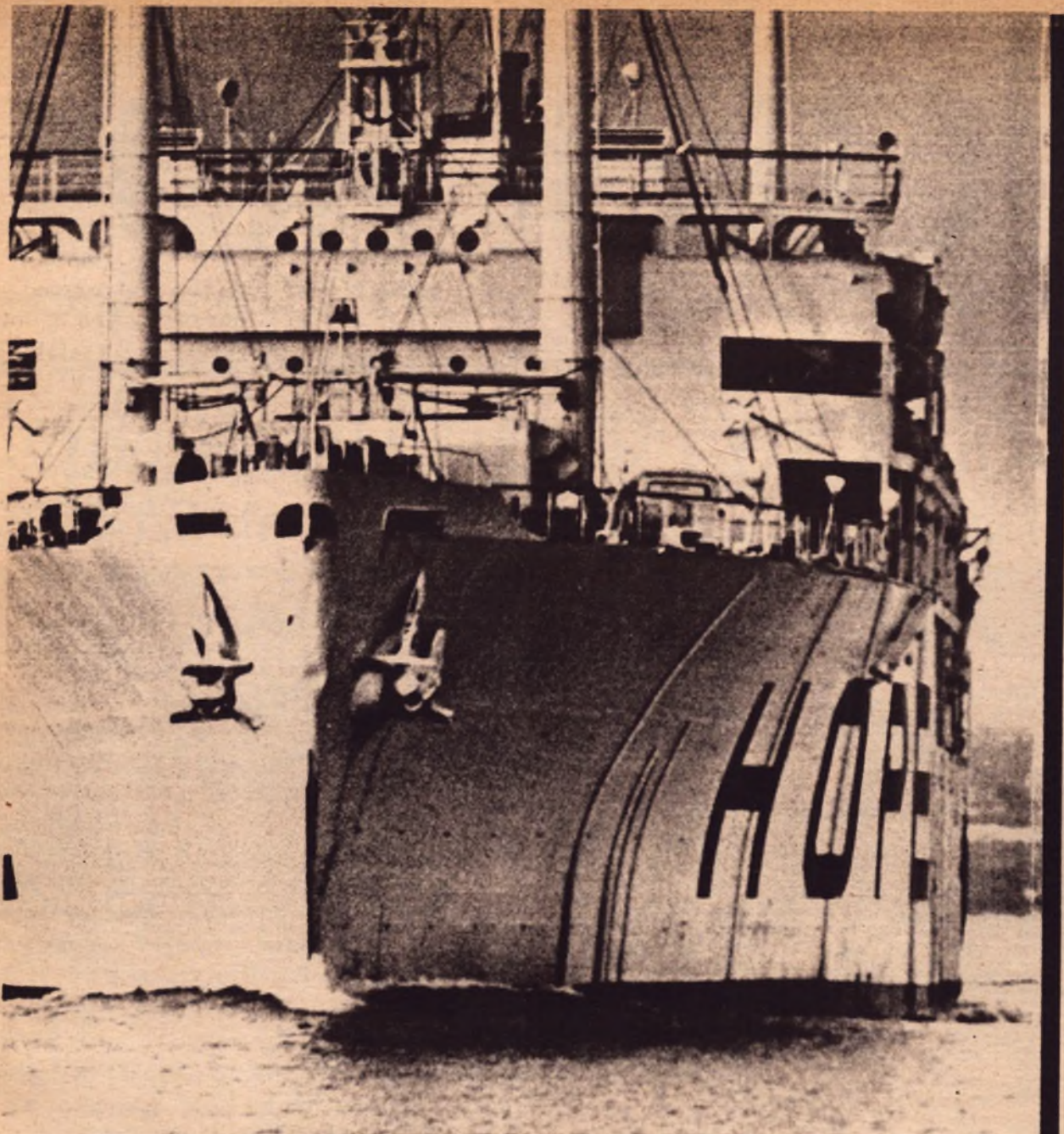


**HELP BLIND!**  
Hams in the Los Angeles area are trying to buy a rig for totally blind Bob Simmons, WA6KVD. Send donations to Joe Oliveira, WB6BJM, 8060 Willoughby Ave., Hollywood, CA 90046. Your help will enhance the life of a ham who travels a tougher road than the rest of us.

## JH1BSE







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Worldradio is two-way communications. Send in amateur radio news and information. Share your knowledge and experiences with your fellow amateur and Worldradio reader. Photographs will be cared for properly and returned. We are most interested in your comments, and suggestions. We would appreciate being placed on the mailing lists of amateur radio club bulletins.

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.

Subscriptions and advertisements, essential to the support of this project, will be very thankfully received.

**COMMUNICATIONS**

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# notices

## ARRL

Official Bulletin #355 Dec. 30, 1971

The popularity of the revised November SS rules is evident by the outstanding scores submitted. Record claimed phones include W7RM operated by K7VPF 250,275; W6HX by WB6OLD 210,600; W9YT by K9LBQ 197,400; WA5JMK 195,000; W3MVB by K3EST 181,200; W3GRF by K1ANV 180,075; W5WMU/5 179,175; KG4EQ by WA9SXQ 176,559; K5RLW 175,972 and W7IR 173,700. Highest claimed cw single operator totals are by W7RM operated by K7VPF 164,775 points; W7NQ by W7CFJ 146,550; W6MAR 156,140; KH6RS by K2SIL 151,552; W6HX by WB6OLD 150,072; K6EBB by W6NUT 148,814; K1LPL/3 146,292; W1FBY 145,928; W9YT by K9KGA 145,780 and W8SH by K7NHV 145,200. A full listing of claimed single and multioperator claimed scores will appear in the February issue of QST.

Official Bulletin #357 Jan. 13, 1972

The composition of three ARRL Advisory Committees for this year has been announced by President WØDX. The VHF Repeater and DX committees are all reappointments, per page 86 of September QST. The contest committee chairman is W3GRF, with members W4UQ, KH6IJ, W1BGD/2, W6DQX, WØHP, K1ZND, VE2NV, K5TSR and WA9UCE. Correspondence for any of the committees may be addressed directly to the members or routed via Headquarters.

## S.W. Convention

The 1972 Southwestern Division ARRL Convention will be held over the weekend of October 21-22 (Veterans Day), in Santa Maria, California. Location is the Santa Maria Convention Center which can accommodate groups up to 2,000 for a meeting and up to 1,250 at a seated banquet. The dinner at the convention will be one of the famous Santa Maria old style, western pit barbecue beef dinners. There will be plenty of free parking. Some 1,700 motel-hotel rooms are priced from \$6.00 to \$17.00. Campers or trailers can have overnight facilities at \$1.50 per day. The convention is being put on by the Estero Bay Amateur Radio Club and the Satellite Radio Club. Santa Maria is north of Santa Barbara.



## Information-Hospitality WASHINGTON, D.C.

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 foreign 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 a.m. and 8 p.m.).

## HAM TRAVEL

Fred Tinner, HB9AAQ, is the ramrod behind the Top Tour Ham Club. The group has installed amateur radio stations in hotels in Germany, Austria, Switzerland and Liechtenstein for use by visiting amateurs. The Top Tour Ham Club can also arrange for lower cost group travel and handles all necessary licensing arrangements. For details write to Fred at: Waeseli 9, CH-9470 Buchs, Switzerland.

Photo to the left shows Helmut Hochberg, DL8ST, operating the station at the Hotel Waldeck in Liechtenstein.

## 2nd Worldwide VHF Activity

The Itchycoo Park VHF A.R.S. is again sponsoring the Worldwide VHF Activity. Activity starts at 1900 GMT on March 11 and ends at 0300 GMT on March 13, 1972.

The purpose of this activity is two fold: to provide recognition to those VHF amateurs that work hard to keep our VHF frequencies active and secondly, to provide a VHF exercise to those stations desiring to test a new rig or antenna at a time when amateur activity on VHF is at a seasonal low.

**Basic Rules:** For a valid contact, exchange call and state. Any band above 40 MHz licensed to amateurs is acceptable. Foreign stations exchange province or country whichever is applicable.

**Scoring:** One point per contact times number of states/provinces/countries worked. A station may be worked once each band for contact and multiplier credit.

**Awards:** A recognition certificate will be awarded every ham station that has met one of the following requirements: 50 contacts below two meters or 25 contacts on the two meter band or 10 contacts on any amateur band higher than two meters. A special endorsement will be added to the certificate(s) of the high scoring station in each call area or country. Certificates will be awarded for each band where a station has met the minimum established qualifications for a recognition certificate.

**Logs:** Should show time, date, frequency, state and call for each station contacted. Only two-way contacts acceptable. No mode restrictions.

Postmark logs by April 15, 1972 and mail to WA3NUL, Itchycoo Park VHF ARS, Box 1062, Hagerstown, MD 21740.

All stations are encouraged to comment on the activity when they mail in their logs. In the mill for a potential third activity are QRP and county multipliers. Your comments pro and con are welcome.

**Footnotes:** We reserve the right to disqualify those stations believed not to have abided by the fair rules of amateur radio. A stamp to help with the postage would be appreciated but is not required. A stamp is required of those stations wanting a copy of the activity results. QRP operation is encouraged.

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# SAROC

by Armond Noble, WB6AUH

January 6-9, 1972

(Continued from page 1)

such groups as ARRL, MARS, WCARS, WPSS, OOTC, QCWA, WSSBA, YLRL, FMers and others.

Music lovers found the Barbra Streisand and Jack Jones shows of interest.

Drawing a large crowd was A. Prose Walker, W4BW, Chief of the Amateur Division of the FCC. (See page 6)

One topic of conversation among those attending was an acknowledgement of the great amount of work necessary to put on such an event. The consensus was a great deal of praise for the indefatigable Leonard Norman, W7PBV.

Without the effort of Leonard and others there would not be a SAROC and the enjoyable time had by all.

Since such work is often thankless an accounting of those who played an important part seems in order: Ed Perkins, W7PRM; H.P. Leary, K7ZOK; Rex Tynes, WA7DSP; H.L. McCam, WA7ESM; Ray Meyers, W6MLZ; Bob Marney, WA7JVC; Mike Blain, WA7BEU and others who may draw their satisfaction from a job well done.

Many hams are already "looking forward to next year."



Happiness is taking home \$1,700 worth of radio equipment courtesy of Galaxy, Hy-Gain and Tri-Ex.



Happiness for Skip Tenney, W1NLB; (left), Jim Fisk, W1DTY; Doug Stivison, WA1KWJ and Hilda Wetherbee of Ham Radio magazine was getting away from a New Hampshire winter.

(Right) "Duke Ellington, W6OZD, tells of the activities of "Colegas y Amigos". (See page 15, please)



## Nev. Governor Welcomes HAMs

A PROCLAMATION BY THE GOVERNOR:

WHEREAS, the Radio Amateur Operators of the State of Nevada organize and dedicate their skills, time and sophisticated electronic equipment to Public Service, and

WHEREAS, the Secretary of Defense does recognize and employ Radio Operators for morale and emergency communications, and

WHEREAS, Amateur Radio is an effective training medium for our all important defence and space programs, and

WHEREAS, Radio Amateur Operators communicate world-wide, foster good will and friendship beyond our continental shores

and in foreign nations throughout the world, and

WHEREAS, Nevada Amateurs are hosting the Radio Amateur Operators Convention called (SAROC) on January 6-9, 1972 at the Flamingo Hotel Convention Center, Las Vegas, Nevada. Radio Amateur Operators from most of the fifty States, Canada, Mexico and many foreign countries will be in attendance,

NOW, THEREFORE, I, MIKE O'CALLAGHAN, Governor of the State of Nevada, do hereby proclaim the week of January 3 through 9, 1972, to be

AMATEUR RADIO WEEK



## WCARS

As was to be expected, jamming on the amateur bands was a prime topic. After various members had their say the discussion was joined by the Chief of the Amateur and Citizens Division of the Federal Communications Commission, A. Prose Walker, W4BW.

Calling WCARS "extremely worthwhile", Walker said the FCC doesn't like the jamming any more than the net members do and he felt they had a great deal of cause for complaint. He mentioned that MWCARS and ECARS also experience the same difficulties.

Walker said that on the 17th of December the FCC apprehended two operators in Palo Alto (Calif. ) saying that legal action is being brought against them and "I don't think they'll bother you again."

The FCC official did say that the agency can not do everything it would like because money is in short supply in the enforcement division and pointed out that the monitoring department is

staffed at the same level that it was at 25 years ago. "The commission staff did not expand commensurate with the communications explosion," was another comment.

Dwelling on the "limited personnel" aspect, Walker said "you can help but not with shotguns." He advised ceasing operations when the jammers come on so as to make it easier for FCC personell to use direction finding equipment. He said they were doing all they could within the budget that they have. The long-time ham added that jammers are difficult to track down in the first place and after finding them it is most difficult to prove.

Touching on that subject was Bob Booth, W3PS, General Counsel of the ARRL. The attorney told that they are making an effort to change the type of proof needed in cases up for license revocation.

Booth told that in Salt Lake City amateurs were having trouble with a repeater being jammed. He related that a committee was formed and with the use of a chart recorder obtaining the keying characteristics of the jamming station they were able to find out

and prove who the jammers were. He added that the Washington and Denver offices of the FCC cooperated.

Booth said that many amateurs claim to know who the jammers are. He called on them to "tell the FCC who they are!" The lawyer advised the WCARS group to start a committee and suggested that seven people on the west coast get direction finders. He urged that the hams work together and said he would be glad to help in any way and invited amateurs to contact him.

Dave Flinn, W2CFP, ECARS Secretary and MONITOR Editor, said that ECARS was willing to work together with the other nets and that we could not leave it all to the FCC. Flinn called for continuing liaison between the three major service nets.

Other matters before the WCARS members included an increased public relations effort with WCARS sending news releases to the newspapers and wire services when WCARS performs some of its public service works. The newly elected officers were introduced which included the recently married WB6FYH and K6KZI, Bill and Christine Schwarz.



Wayne Green, W2NSD/1, Editor of 73 Magazine, discussed FM repeaters-present and future.

He said he would like to eventually see the repeaters be able to tie into low band equipment so it would be possible for one to be skiing down a mountain, speak into a small walkie-talkie, and end up talking to a ham in Bavaria who was also skiing down a mountain.

He told of using his two meter gear while on skis (signing mobile) and working, through repeaters, 250 miles away, calling it "an ego trip." Two meter equipment on snow vehicles was also mentioned.

Wayne talked about his proposal for a "Hobby Band" on 220 MHz saying he was aware of the EIA proposal to take away most of the 220 band and he thought his counter-proposal would be more palatable. He said his idea was based on a need to get more people into amateur radio as well as getting more people on 220 so we don't lose it.

"Never Say Die" called getting new people into ham radio a big problem.

Don Wallace, W6AM, seconded the thought and went on saying we should make it easier to get into ham radio so as to attract more people. Other persons at the meeting mentioned that the VHF only ham license is quite easy to obtain and thus Japan is having an amateur explosion and would soon equal, or surpass, the United States in total amateur population. It was stated that in Japan they were having a "lot of fun" on two meters. Wayne said the point of ham radio is to have fun and they (in Japan) were enjoying themselves.

Wallace mentioned that many amateurs who had passed a comprehensive examination to obtain a license were against the idea of an easier way based on the "if I had to do it that way everybody should do it" philosophy.

The famed DXer mentioned that when he entered amateur radio over 50 years ago there were practically no requirements but this did not stop him, and many others, from on their own increasing their technical knowledge.

He also said the the FCC is interested in what the amateur has to say.

## ARRL

ARRL Pacific Division Director Jean "Doc" Gmelin, W6ZRJ, conducted the forum and again stated that all amateurs were invited to write to him on any matter.

Gmelin is one of the few directors who holds a scheduled annual meeting with representatives of the amateur radio clubs in the division. At the meeting he gets the opinions of the hams on matters that are likely to come up before the Board of Directors.

At SAROC Gmelin said that the possibility of a reduction in code speed from the present 13 words a minute requirement for an amateur license down to 10 w.p.m. has brought him a high stack of mail.

The Cupertino high school instructor said he had read every single one and had already replied to some of the writers. "Doc" mentioned that after sending his ARRL bulletins he stands by for any amateur that wishes to speak to him on some matter.

Of interest to League members was his statement that there is a possibility that dues will go up. The reason, he said, was quite simple—prices are going up and thus the costs of printing QST and operating the League are



ARRL Director "Doc" Gmelin, W6ZRJ

going up. And he added there is not much hope for a West Coast version of WIAW as many amateurs would like to see. Again finances were mentioned.

Newly elected Vice-Director Al Gaetano, W6VZT, said the amateur needs better recognition from the public. The Lockheed executive declared that it was important to show "the man of the street" the value of amateur radio. Gaetano invited participation in the ARRL Simulated Emergency Test and said, "the more you can help, the more the public will think of amateur radio."

## Mr. DX



Don Wallace, W6AM, calling for easier entrance requirements into amateur radio. (photo by Ward Hill, WA6FUH)



Don Wallace, W6AM, and Wayne Green, W2NSD/1, at the 73 meeting. Story on column 1, this page.

Iris Colvin, W6DOD, XYL of Lloyd Colvin, W6KG. Operators of the World QSL Bureau, Richmond, Calif.





# A. Prose Walker, W4BW

Chief, Amateur and Citizens Division  
Federal Communications Commission

at SAROC



In opening his remarks Walker quoted an old proverb, "to prophecy is extremely difficult especially in regards to the future." He prefaced the main body of his address by qualifying with "if-and-but-maybe" and that many of the ideas would be subject to the decisions of the FCC Commissioners after whatever recommendations by the Amateur Division.

The lack of FCC personnel was again mentioned with him telling that the FCC has only 39 people in its main office at Gettysburg, Pa., and that last year 20 people handled 630,000 various applications. He commented that the age of the huge government agency had not yet come to the FCC.

On Docket 18803 regarding VHF repeaters, Walker said that the comments submitted to the Commission were extremely well prepared and were signed by 581 people - far more than expressed an interest in the proposed expansion of the phone bands.

Linking repeaters together came under discussion and Walker said that advocates of the linking together had said that such would prove valuable in time of tornados, hurricanes, floods or earthquakes and much comment of that nature was coming out of the Gulf Coast area.

He said that for emergency operation such linking together would be in the public interest but to link together the east coast to the west coast just to prove it could be done would not fall in that category. Such approval would be predicated on emergency need and based on historical need.

Also on repeaters, Walker stated he would be reluctant to have the Commission prescribe in and out frequencies and techniques. Other matters mentioned were space communications the ITU and the possibility of an Amateur Radio satellite as suggested by Bill Eitel. Such a satellite would overcome the vagaries of HF.

Kiddingly referring to putting on a bullet-proof vest, Walker moved to the phone band expansion matter which he said has resulted in a great deal of emotional reaction in the comments sent to the FCC. Saying that no matter what you do you are not going to satisfy everybody you do try to be as coldly objective as is humanly possible.

In a serious tone Walker declared "if we have any sense, or concern for the future of Amateur Radio it would be utter folly to irritate those whose votes we need during international negotiations."

As to specifics he said there will probably be a small expansion of the 75 meter phone band but it will be "a gesture, not a solution." He went on to add, "There will be a serious effort to get more of the old 160 meter band back and a lot of 75 meter activity should be on 160 meters regarding the distances covered."

Saying that the 40 meter band has deteriorated over the years to the point that it can hardly be recognized as an amateur band he mentioned that there might be phone expansion down to 7150. Laughter greeted his tongue-in-cheek remark that not a single foreign broadcaster has complained of amateur interference on 40 meters.

There was no hope laid out for the expansion of the 20 meter band for such "was not consistent with our national interests as it would make innumerable enemies and we need all the friends we can get."

Walker said it was not expected that the 15 or 10 meter bands would be expanded and that 10 meters is already so wide that we could probably use the 200 kHz at the top end for repeater operation.

He commented that the Extra portion of the CW bands were not as loaded as the other parts of the band because there were not as many Extras and Extras listen more than they transmit.

With anger apparent in his voice Walker talked about operators who operate with more than the legal power limit saying, "Unless amateur radio wants more rules you will have to do something about cleaning up your own house." He said it was totally incon-

sistent with the goals of the amateur service to use over-power and warned, "clean up the bands of the power hogs-something will have to be done-that's not a threat it's a promise." He warned, "the amateur service does not need them" and promised suspensions and revocations for the violators.

Other law breaking was brought up as Walker talked about an increase in re-examinations for those holding Conditional and Technician class licenses. He said this was to "maintain the integrity" of the volunteer examiner system. Mentioning that instances of fraud were coming to their attention he pointed to the provision for call-in when warranted.

There are now 32,000 Conditional licensees and the FCC official called for them to be termed "Provisional" licenses. They would be issued for two or three years and by that time if the holder does not show up for an FCC supervised examination, or show a good reason why not, the "Provisional" license would expire.

Another proposal was if the holder of a Conditional (or Provisional) moves to an area less than 175 miles from an FCC examination point the test must be taken within 90 days or the license would expire. Walker said he will recommend that these proposals be incorporated in the FCC rules and regulations.

Regarding the recent call-ins for re-examination Walker reported that in one instance 75 percent of those called in did not even appear and 75 percent of those that did show up did not pass the test. In another similar event 59 percent showed up and 24 percent of those passed and in one case 22 were called, eight arrived and five passed.

Even those who originally passed their test in front of an FCC employee will come in for further scrutiny. Walker told the audience to pay particular attention to line 5G on the FCC form 610 when it is used for license renewal. Pointing out the operating and code speed requirements to obtain renewal, Walker said that the certification that one signs "carries all forces of law of an affidavit." He said that instructions have gone out that a sampling will be made of those renewing their licenses and they will be told to send their logs to Washington to be examined to see if they have met the operating time requirements.

Moving to call signs Walker called the 2x3 calls "abominable" and agreed with operators who didn't like them. He said he hopes his proposal "sees the light of day" which would allow 1x1 and 2x1 calls (i. e., K7B WA6A)





and also give Extra class licensee with 25 years in amateur radio their choice of calls.

Under the Walker proposal General class licensee would be so identified with the 1x3 call (W6ABC), the Technician so identified with a "T" in his call (WT6ABC), the Conditional would have a "C" in his call (WC6ABC) and a repeater would have an "R" in its call (WR6ABC).

Also mentioned were the block of prefixes assigned to the U.S. by international treaty - "AA-AL". He said a possibility would be to give such prefixes to the Advanced class licensees.

The FCC official gave the numbers of the various licenses, rounding them off as: Novice 23,000; Technician (non-FCC supervised) 51,000; Technician (FCC supervised) 2,500; Conditional 32,000; General 94,000; Advanced 60,000 and Extra 13,000.

Walker said the growth of Amateur Radio continued at the same rate from the end of World War II up until 1964. That was the year license fees came into being but he did not feel that was the reason. He did point out that the FCC license fees were a mandate of Congress and not the FCC.

Pointing to the often asked question as to why there are not more young hams he asked, "what would we do with them all." He said we should encourage the use of VHF/UHF and get the young people interested in space communications. Calling the strength of the EIA proposal to take part of the 220 MHz band away from the hams is the lack of use of 220 he commented, "if you don't use it you lose it."

Telling that there is more pressure on VHF and UHF than ever before as the accelerated pace of society has raised the demands on communications.

He cited the example of utility companies who want more frequencies to communicate between power distribution points so as to call for exchange of power during high demand times.

He concluded by stating that whether we get more and wider bands depends on the case presented by Amateur Radio.

# amateur radio's newspaper: *Worldradio*



Joseph Ziglinski, A4DIN  
Chief, MARS, U.S. Army



Lt. R.D. Gibbins,  
Chief, Navy-Marine  
MARS



Lt. Turner, Head of  
MARS, Long Beach  
(Calif.) Naval Base



1st Lt. Wayne Crowder,  
USMC Liaison Officer



Major J.P. Huggins  
Chief, MARS USAF



Chief Robinson, Head  
of MARS, 11th Naval  
District



at SAROC



the story of

VK9FH

## Fred Hargesheimer, WØEBG

by Geoff Green, VS6DA

I was sitting in the shack on Easter Sunday morning, checking the rig over and putting out a couple of test calls, when VK9FH (Fred) came up on frequency with Easter greetings.

Rather unusual to hear an American voice from VK9 so I asked Fred what he was doing in that part of the world. Up until that time I had never heard of Ewasse in New Britain, but now I know a lot about that tiny place and the people there, for as the QSO developed I became increasingly interested and I realised that the story of Fred Hargesheimer was a very human one.

My XYL and the children joined me and together we listened as Fred spoke to us from the school he had created in the jungle, and told us the incredible tale of how it all started, when he was shot down in that area in June 1943.

I asked him if I might write the story for the pages of Ohm, and offer it as a belated Easter Story of-

### The School that fell from the sky.

In June 1943 Fred, as a U.S. Air Force pilot, was flying a P-38 (Lightning) on a lone reconnaissance mission from New Guinea to Rabaul. As he made his way along the route the weather started to close in, and as mountainous terrain and poor visibility are bad news when it comes to flying, Fred employed the well founded technique of heading out to sea before descending clear of cloud to establish his position.

On turning back he spotted what he thought were the beginnings of a new airstrip, and pleased with his reconnaissance scoop he steadied his machine and slowed down to make a photographic run.

But Fred was not alone in the skies of Eastern New Britain that day, and as he concentrated on his run-in another pilot seized the golden opportunity to manoeuvre his somewhat less versatile Japanese "Betty" bomber into position and open up with an accurate burst of cannon fire.

"The first I realised" said Fred, "was when shells slammed into my aircraft and the armour plate behind me. The left engine was hit and as I reached to feather its prop the other engine began to splutter. There was nothing I could do, it was time to leave, so I got out."

Fred's 'chute, that June day, dropped him into a dense rain forest, yet in consequence today more than 200

native youngsters along the North New Britain coast are going to school.

After landing, Fred avoided capture, survived for more than a month on some chocolate, roots, bamboo shoots and snails, but he lost 40 pounds and came down with malaria. He erected a small cross too, and prayed and then, incredibly, some Christian mission natives found him. They carried him down to their village, Namtambu, on the coast, and at the risk of their own lives and village hid him from the Japanese patrols and nursed him back to health.

By November he was well enough to move, and the natives guided him on a long trek into the mountains to rendezvous with another downed pilot, Bill Townsend of the R.A.A.F. The rendezvous point was at a secret Australian intelligence camp, part of the famous Coastwatching Group operating in enemy held territory, and here the two pilots remained until they were taken off the island by a U.S. submarine in February, 1944.

For most people, there the story would end, but not for Fred. In 1960 he went back to Namtambu to say thank you, and he returned to the U.S. determined to do more than that. He set about raising funds to found a school, and together with Bill Townsend he enlisted the aid of other former allied airmen to get the project under way.

It took three years, but in 1964 the Airmen's Memorial School at Ewasse, opened its doors to 85 students.

The school has now grown to over 200 students, with 32 boarders who do not live within walking distance. "What do you consider walking distance?" I asked Fred. "Well," he said, "one little girl used to walk 14 miles a day barefoot just to go to school, that's about 2,800 miles in the course of the school year!"

Now Fred and his XYL, Dorothy, are back at the school, and although there is no doctor, the school is proud of its hospital, and Australian Headmaster Jim Bye's wife, who is a trained nurse is in charge.

Also there is a sawmill which initially produced much of the lumber used in construction at the school. Now lumber is exported, some to Japan, so history has gone the full circle.



NOTE: This article by Geoff Green, VS6DA, a pilot with Cathay Pacific Airways, first appeared in his column "Roving Report" in the November issue of OHM and was sent to this paper by its author.

The effort of Geoff and the Hong Kong hams on behalf of Fred, VK9FH, is in the highest tradition of amateur radio. Worldradio is deeply interested in publicizing and supporting such efforts and we invite involved amateurs to send us the information.

The editor of Worldradio, Armond Noble, WB6AUH, accompanied Fred on his 1969 trip to the school and operated as VK9AM. A story on Fred's efforts was featured in the first issue of Worldradio-28 June 1971. The Airmen's Memorial School is one of the recipients of the disbursements of the Worldradio Foundation.

A 1500 feet grass airstrip carved out of the jungle just west of the school is in operation, and the trip to Rabaul, which used to take 16 hours by small ship or four days by dugout canoe, now takes 50 minutes.

Bill Townsend is now Air Vice-Marshall Townsend of the Royal Australian Air Force, and is one of the Foundations' Trustees. He and Fred are able to get together with the help of Geoff Svensen, VK2CAS, also of the R.A.A.F.

The other man who really started the train of events which led to the happy and rewarding situation in Ewasse today, remains unnamed and unknown.

For somewhere in JA, may be living the man whose thumb pressed the trigger that June day, and he, like Fred, thankfully no longer concerned with war plane and cannon, is no doubt unaware just what he did start as he watched Fred hit the silk and float earthwards, before turning away on his own course. It would be good to be able to tell him just how much came out of his burst of cannon fire-and the many people it has involved.

I have spoken to Fred many times since our first contact, and it is with his help and that of Bill Hempel, VK1-BH, of the Historical Branch of the R.A.A.F., and extracts from the school's annual report (called the





Left— Air Vice-Marshal W. Townsend of Australia and Fred Hargesheimer looked like this 25 years ago, en route to a rendezvous with the U.S. sub-marine that took them off the island of New Britain. Above — they meet again in Canberra, Australia.



the oriental ham magazine

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Airmen's Log) that this article has been pieced together along with the photographs.

Fred has told me of the projects planned and of the many items required by the school, and it occurred to me that here is an airman and a ham who could really use a helping hand.

We have plenty of airmen in Hong Kong, and we have our Amateur Radio Society (HARTS), so I told them the story of Fred. Now we have a project in which we hope that you will join wholeheartedly, the proceeds of which we would like to offer to Fred and his school as our small recognition of a ham who has taken time to do more than just say thank you.

The members of HARTS, together with the aircrew of the airline here, have jointly subscribed a Yaesu Musen FT 101 to be offered for a raffle (draw) through the pages of Ohm, the proceeds to be given to the Airmen's Memorial School towards the cost, whole or in part, of a tractor for the school.

The full details and instructions are contained on the separate sheet included with your Ohm (see box to the right) but the basic requirement is a simple one - your support. Send in your donation together with a slip of paper giving your name and address. The draw is world wide and open to anyone.

## WIN A YAESU MUSEN FT 101 FOR U.S. \$2

In support of VK9FH, Fred Hargesheimer, and the Airmen's Memorial School, Ewasse, New Britain, New Guinea.

Ohm Magazine is pleased to offer, for raffle, an FT 101, subscribed jointly by HARTS and the aircrew of the airline based in Hong Kong.

All proceeds will go towards the cost, whole or in part, of a tractor for the Airmen's Memorial School, Ewasse.

Details of the school are contained in the Ohm magazine of Nov. 1971.

### Conditions:

1. This is a world wide competition, open to everyone.
2. To enter, fill in the slip below and return it to:  
HARTS, P.O. Box 541, Hong Kong, or send your name and address on any slip of paper to HARTS at the above address.
3. Together with your name and address slip, include your entrance donation of U.S.\$2 minimum, or the nearest equivalent in any currency, cheque or postal order (i.e. Australian \$2, £1, ¥ 800).
4. There is no limit to the number of entries per person.
5. The Committee of HARTS will administer the raffle, and the date of the draw will be announced well in advance in the Ohm and major ham magazines. The winner will be announced in major ham magazines.
6. For any further details of the competition, or of the school, please contact HARTS, P.O. Box Hong Kong, or Fred VK9FH direct, at the Airmen's School in Ewasse on frequencies: 14.185, 14.300 0900-1100 GMT approx.. 21.415, 0200 + GMT. approx.

We look forward to your support and wish you good luck.

73's,

Harts, Hong Kong.





Gun Noren, SMØFI

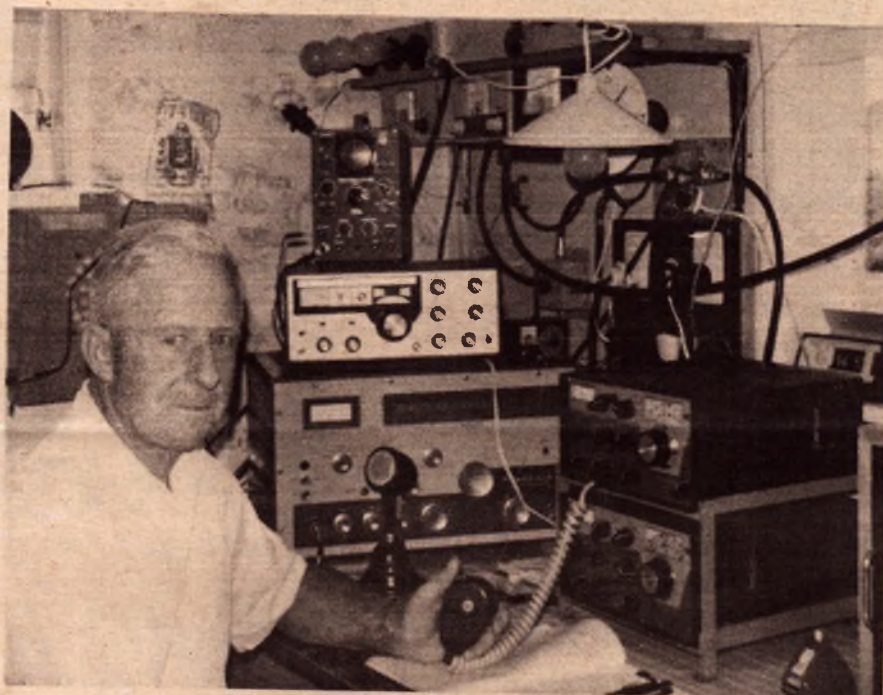


Tachi Yonemura, JA1BRK

# Worldradio's DX Camera



John Velamo, OH2 YV



Allen Webster, ZL1ABO



Helmut Hochberg, DL8ST



Mark Churton, ZL1TB

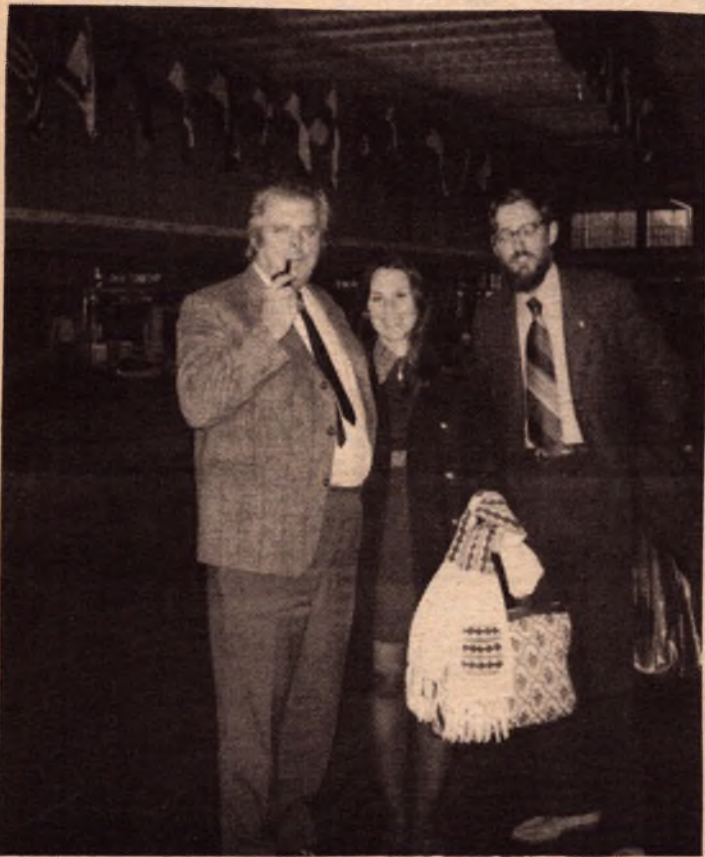




Carl Reder, VQ9R



Barbara Laugner, DL3TBC



(L.) Erwin Huber, HB9AG, (R.) Richard Ross, K2MGA, Editor, CQ Magazine and XYL, Carol, at the Zurich airport.



Maria Wilches, CR6YY



Fred Timmer, HB9AAQ



Bill Toussaint, VR5LT





# DARLEEN, WA6FSC

by Jack Chew, ZL1BL



It was on 8th February, 1969, while I was working TI2WEJ on 21.404 Mhz, that Gene Souligny, WA6DKW, broke in. He introduced his XYL, Darleen, who was then WN6FSC.

On 6th November, 1969, I had a call from a local telephone box. "Hi! Jack... This is Gene, WA6DKW, and I've got Darleen with me. Will you and your XYL come and have lunch with us in town?"

"Right, we will meet you at the Huntly Post Office at noon." Now, I thought to myself, how am I going to recognize those Yanks?

So I dug out the QSL card I had received from WA6DKW, and carried it in my hand, rather inconspicuously I thought, but presently I saw an arm raised high in the air, and the owner of that call said, "Hi! Jack," and that's how I first met Gene and Darleen in person.

As I did not have the XYL with me, I had to explain that there had been a change in plan, and that Gene and Darleen were coming to eat with us at home.

I asked Gene how they were traveling and he said they had hired a rental car when they arrived at the airport at Mangere. I said, "Gene... can you drive on the left-hand side of the road?" To which he replied, "You just watch two Yanks give these Noo Zealanders a fright."

Well, we spent an hour or so in the shack, and a couple of hours talking over lunch, and by that time, I reckon I had just about sold them the idea that New Zealand was a much better place to live than in Sacramento (California).

They were both keenly interested in the cost of purchasing a house, the cost of rates, insurance and taxes, and when they left, it was with the intention of paying us a further visit and staying for six weeks or more, and eventually taking up residence in New Zealand.

Subsequently, it was not uncommon to have a "breaker" on 15 metres at the week-end while I was in contact with Wally Newman, W6FEX, and Fred Shidel, K6AQV, with "This is Sacramento." Correspondence and photographs were exchanged. Then on 6th September, 1970, during one of our numerous QSOs, Gene told me that he and Darleen would be operating

jointly as VR5DK from the Island of Tonga as a DX-pedition in November of that year. They duly arrived in Tonga on 5th November, 1970 and established their station with a Swan Cygnet 270 as VR5DK.

After six days of operation came the tragic circumstances in which Gene suffered a fatal heart attack, and he was buried on the Island of Tonga.

Darleen gave me the details on 15 metres and said that she was coming down to New Zealand to stay with us, just as they had planned together, but first she would have to return to the States to attend to business matters arising out of those unfortunate circumstances.

During the period that she was back in the States, Darleen did some hard swatting, and successfully passed her General license on 31st December, as she did not want to part with the Swan 500-C which she had given to Gene for his birthday.

By this time the Swan 500-C had been converted for 230-volt operation, and had been packed up ready for shipment to Tonga, by the Swan Company without any charge, so Darleen had not up to the time of writing, made use of her call, WA6FSC, from the States, although as a Novice she worked 38 countries and had WAS and WAC.

On 2nd March, 1971, the XYL and I met Darleen on her arrival in Auckland on the ship "Chusan" from Tonga. For 10 days we worked DX, visited hams and went sight-seeing. Then Darleen left by bus for Taranaki, Otaki, Wellington, and the South Island, which included a tour of Milford Sound, Mount Cook, and the Lakes area, returning to Huntly for a further ten days, before sailing on the "Canberra" for Tonga.

During three weeks operation as VR5DK from Nukualofa she made 2,100 contacts, worked WAS, WAC and DXCC. She spent a few days at Lautoka, in Fiji, where she was the guest of Fred Carter, VR2CC. The XYL and I met her at Mangere Airport again on 9th May, 1971. She remained as our guest from that time until her departure for Rodriguez via Melbourne and Perth on 8th June, 1971. Many of the ZL hams met Darleen in person at the Convention in Palmerston North.

On her way to Rodriguez, Darleen was the guest of Ivor and Mavis Stafford, VK3XB-VK3XS, over-night, and at Perth she was the guest of Ingez Gregory, VK6OV, and her OM Ted.

On arrival at Mauritius, Darleen was the guest of Ray Mills, 3B8CR, and his XYL, Josie. During her stay in Mauritius, Darleen was allocated the call 3B8DK. On 14th June, 1971, Darleen sailed for Rodriguez Island. The boat will call again at Rodriguez Island, and take Darleen off towards the end of July. During her stay on Rodriguez, her call sign was 3B9DK. Her QSL manager is Douglas "Bud" McKeon, VE6AKV, 7612 23rd St. S.E., Calgary, Alberta, Canada. Bud's daughter collects stamps.

Garth Hamilton, 5H3LV, hosted her in Dar-Es-Salaam, Tanzania. She visited Uganda, Kenya and Jordan. Darleen went through Italy, Austria, Germany, Switzerland, Sweden, Finland, Norway, England and the Canary Islands. She ended her tour in Canada visiting her QSL manager and was in Fresno, Calif., with her parents for Christmas.

In all the places mentioned, Darleen was the guest of hams. Knowing Darleen as we do, you can rest assured that she was at the controls of every transmitter she visited; and I should know, as this is the first time that the filaments of my rig have cooled off since 2nd March, 1971.

(Editor's Note: The Swan 270 Cygnet which Mr. Souligny borrowed from the Swan Company for the operation from Tonga was, after his death, purchased from the Swan Company. Courtesies extended by Herb Johnson, W6QKI, President of Swan, and Roger Gaugler, W6VJR, owner of "Selectronics", an amateur radio store in Sacramento, made the purchase possible.

This is the rig Worldradio makes available for loan to medical personnel and relief agency staff going overseas on the short-term volunteer tours.

The rig is to serve as a living memorial to Gene Souligny, WA6DKW, and all persons who use the rig while in another country for the purpose of assisting others will have their name and call engraved on the equipment.)



actual size

# DELUXE CYGNET Model 270B

SSB TRANSCEIVER—5 BANDS—260 WATTS WITH BUILT-IN AC POWER SUPPLY AND LOUDSPEAKER

The lightweight, compact design of the Deluxe Cygnet makes it an ideal traveling companion. It contains all the features required for home station operation with enough power to work the world. Its surprising low cost is a result of our concentrated program of value engineering.

All you do is connect an AC power source, plug in your microphone and antenna—you're on the air. Twelve volt DC operation may be obtained by attaching the optional plug-in accessory, Model 14A DC converter.

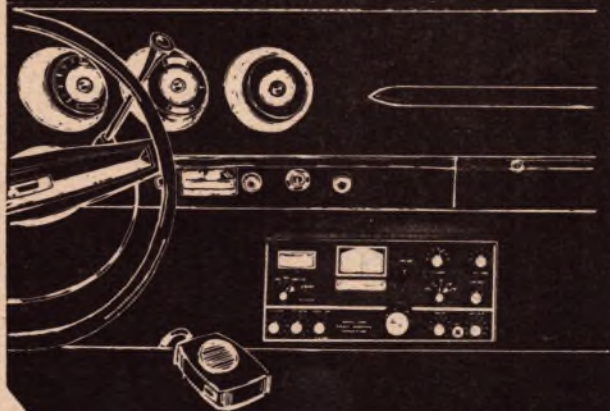
The Swan Deluxe Cygnet is the most versatile and portable transceiver on the market, and certainly the best possible value .....\$429

## SPECIFICATIONS

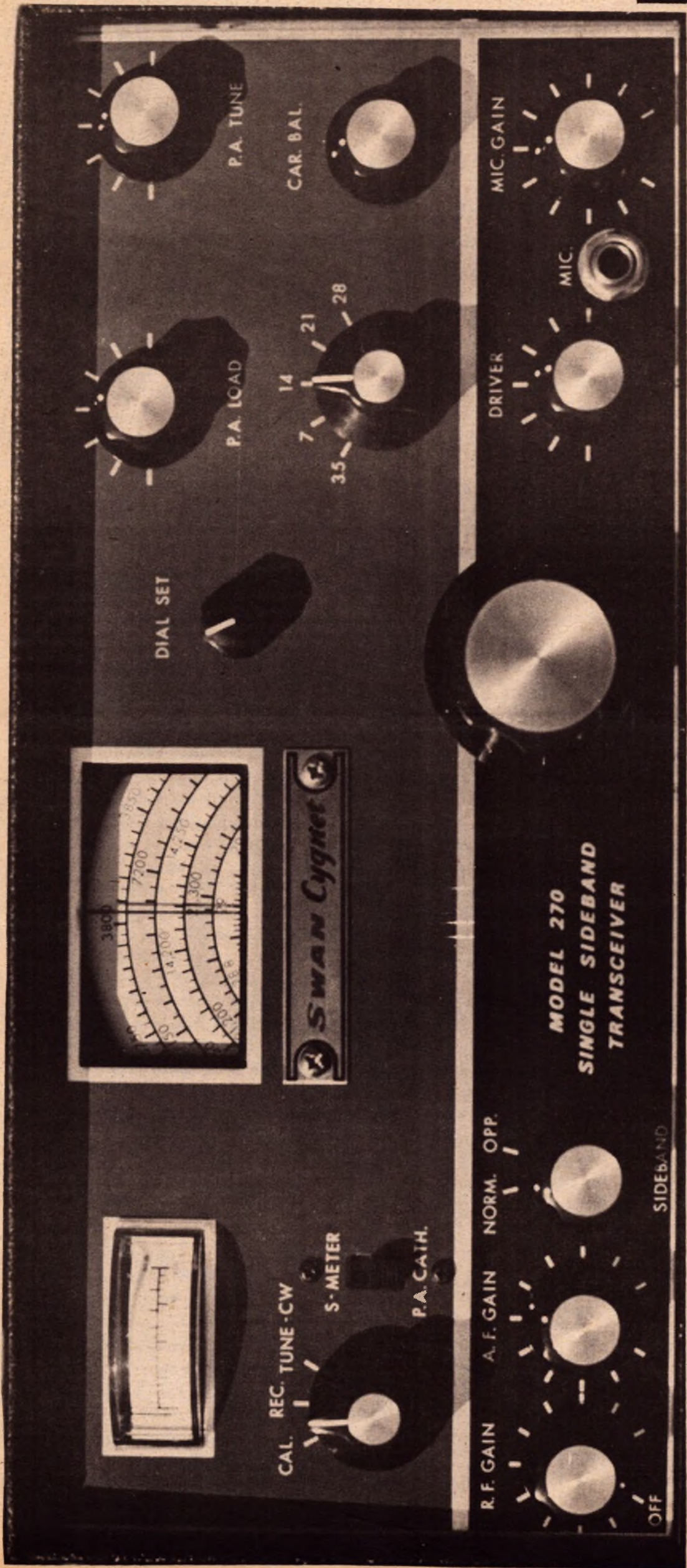
● **Power input:** 260 watts P.E.P. SSB, and 180 watts CW ● **Frequency range:** 3.5-4.0 mc, 7.0-7.3 mc, 14.0-14.35 mc, 21.0-21.45 mc, 28.0-29.7 mc. ● **5.5 mc Crystal Lattice Filter**, same as used in the Swan 500CX. 2.7 kc with 1.7 to 1 shape factor. Ultimate rejection exceeds 100 db ● Unwanted sideband suppressed 50 db. Carrier suppressed 60 db. Third order distortion down approximately 30 db ● **Audio response:** flat within 3 db from 300 to 3000 cycles in both transmit and receive modes. ● **Pi antenna coupler** for 50 to 75 ohm coaxial cable ● **Grid block CW keying** with offset transmit frequency ● **Solid state VFO** circuit temperature and voltage stabilized ● **Receiver sensitivity** better than 1/2 microvolt at 50 ohms for 10 db S + N/N ratio ● **100 kc crystal calibrator** and dial-set control ● **S-meter** for receiver, P.A. cathode meter for transmitter tuning ● Improved AGC and ALC circuit ● Separate R.F. and A.F. gain controls ● Sideband selector ● Provision for plug in of VOX unit, external VFO, headphones, and Cygnet Linear ● **Tube complement:** 12AU6 VFO amp., 12BE6 trans. mixer, 6GK6 driver, 6LQ6 pwr. amp., 6BZ6 rec. R.F., 12BE6 rec. mixer, 12BA6 1st I.F. amp., 12BA6 2nd I.F. amp., 12AX7 prod. det. A.F. amp., 6AQ5 A.F. output, 12AX7 mic. amp., 6JH8 bal. mod., 12AV6 AGC-ALC amp., 12BA6 xtal. cal. ● **Voltage input:** 117 volts 50-60 Hz. Available on special order for 208-220-240 volts ● **For 12-14 volt DC operation**, a plug-in converter, Model 14-A, is available. This unit is only 1 1/2 x 3 x 4 in., and plugs into the back of the 270B in place of the AC power connector ● **Dimensions:** 5 1/2 in. high, 13 in. wide, 11 in. deep ● **Shipping Weight** 27 lbs.

## THE PERFECT MOBILE RIG

The 270B Transceiver, when used with the 14-A DC Converter, becomes the perfect mobile rig. The 14-A attaches to the rear of the transceiver and makes under-the-hood installation of a power supply unnecessary. To go mobile, simply connect to a 12 volt



terminal or cigarette lighter, hook up the antenna, and you're on the air. Once you arrive at your destination, unhook the 14-A and use the 270B on AC. Perfect for the traveler or vacationer.





# Rotarian Ham Award

ROTARIANS OF AMATEUR RADIO  
INTERNATIONAL FRIENDSHIP AWARD

## PURPOSE

To encourage international friendship and understanding through amateur short wave radio conversation (as opposed to merely brief contacts with minimum exchange of greetings or run-of-the-mill information such as signal reports).

## SPONSORSHIP

Rotarians of Amateur Radio, a group of radio amateurs who are members of Rotary Clubs. Initiated in 1958 as a Rotary fellowship and friendship activity, ROAR now has almost 500 call listings in over 32 countries. In connection with recent conventions of Rotary International, ROAR has had its own exhibit which has consisted in part of special ham station "K2RI."

## ELIGIBILITY

Any duly licensed radio amateur anywhere. No charge.

## RULES

The only requirement is to complete the required number of international "rag-chews." The ARRL DXCC countries list will control all questions of whether a QSO is "international" except KL7 and KH6 which count as part of the U.S.A. The certificate of Award is granted without special band, mode or other endorsements, except a Seal will be awarded for each additional 100 "rag chews."

For this award a "rag-chew" is defined as a QSO lasting 15 minutes on phone with readability reports both ways of at least Readability 4, and on CW of at least 30 minutes likewise with readability reports R4 minimum both ways. The sponsor considers that it necessarily takes longer to converse to the same extent on CW than it does on phone.

## CLASSES OF AWARDS

Class I - 100 points  
Class II - 50 points  
Class III- 25 points

## CREDITS

One point per international "rag-chew." No restriction as to number of countries or number of different amateurs contacted. The same foreign station and same foreign country may be worked and counted repeatedly, without limit. This award could be earned by contacting one station for the required number of "rag-chews."

## DOUBLE CREDIT

The applying station may count a "rag-chew" for double credit if the conversation for the required number of minutes was held entirely in a language considered foreign to the nation in which the applying station is licensed. (But applicants may not count their own native tongue as foreign. For double credit QSO must be in language foreign to applicant.

## APPLICATION

All "rag-chews" must take place after December 31, 1964.

QSL cards need not be submitted, nor is it required that the "rag-chews" be confirmed by QSL card. It is sufficient for the applicant to list his "rag-chews" in column form showing left to right: Call sign of station worked, country, date, time QSO began and ended (both in GMT, mode, report sent, report received, if double credit is claimed simply show on the next line of the application the name of the foreign language used. Show at the bottom the total number of different stations and different countries followed by applicant's certificate that the application is correct, signed by applicant with his address and call sign. The sponsor believes that anyone interested in this type of award is unlikely to be anything less than honorable. Therefore the application will be on the honor system. The Custodian's decision on all disputed questions of rules interpretation shall be final.

## CUSTODIAN

Applications should be sent to: J. Foy Guin, Jr., W4RLS, Box 940, Russellville, Alabama 35653 U.S.A.

In a letter sent with the official rules Foy added these thoughts:

"The idea was to encourage international conversation, which would in turn encourage international friendship. The more conversation, the better. If a man wants to earn the entire award by talking with one foreign amateur, that is still good. It just means he will have a much closer friendship than he could make in only one conversation. Frankly, I hoped that many people would form fast international friendships and would ask for the award on the basis of regular schedules held over a long period of time.

"It is not necessary to work a large number of stations. Quite the contrary, the award is for a large amount of conversation, and can be earned by working just one station a large number of times. I thought that giving double credit for use of a foreign language would be beneficial. It certainly promotes international friendship to speak to the other fellow in his own language, even if you don't know it.

"This last remark might seem strange but one of the most enjoyable 15 minute QSOs I ever had was with a Venezuelan ham who spoke no English. I had a \$1.00 book with amateur phrases in seven languages, and I labored through a 15 minute QSO with him in Spanish, even though I spoke no Spanish. It tickled him to death, and thrilled me too. A year later, I worked him again, and in the meantime, he had learned quite a lot of English. I was ashamed that I had not learned any Spanish in the interim, but we did enjoy visiting again, this time in my language."

## Hospital needs FM equipment

A small community in Argentina needs some two-way radio equipment for their ambulance. The equipment would

be used to communicate with police headquarters and the local hospital. The request is for VHF, phase modulated, narrow band, 25 to 50 watts output, operable on 12 volts d.c. and be able to operate on 160.595 and 160.535 MHz.

If anyone can contribute such equipment, (used, in good working condition will be most appreciated) contact: Dennis Karzag, Medical Relief International 27 East Canon Perdido St. Santa Barbara, CA 93102 This is Rotary Project #782, Ref:DRF-P/Argentina

**Subscribe to Worldradio**

## A Reunion Scheduled Via 'Ham'

Thanks to a couple of amateur radio operators, a Bellefonte girl and her parents are going to have a long-distance conversation on Christmas Day.

(from Centre Daily Times,  
State College, PA.)

Betty Fulcher, a 1971 Bellefonte High graduate, is spending this year in Formiga, Brazil, as a Rotary exchange student.

Through the services of Virge Neilly, a State College ham operator, and a cooperative Brazilian, Betty's been in regular touch with her parents, Mr. and Mrs. Francis N. Fulcher.

Virge offers his services to help get people together via radio with friends and families in most Latin American countries.

Anyone who wants to know what amateur radio operators can do for them may call him at 238-6155.

(Virge Neilly is W3LNW)

★ ★ ★



## Colegas y Amigos

Reciprocal licensing with Mexico will be one of the topics discussed at the annual Breakfast-Meeting of the Southern California and Mexico Amateur Radio Mobile Group.

The meeting, held on February 13, at 9:30 a. m. at the New Convention Center, Rochelle's Restaurant, 3333 Lakewood Boulevard in Long Beach, will provide the usual "South of the Border" atmosphere.

Many of our good ham amigos and their families from Mexico will be present.

In order to join your many friends for good fellowship, "eyeball QSOs", prizes, etc., contact H. R. "Duke" Ellington, W6OZD, 3649 Emerald St. Apt. #108, Torrance, California 90503, Telephone: (213) 542-4178.

Tickets are \$2.25 each and the final deadline date for reservations is February 10 in order to notify the catering manager. Gratuity is included.

Color slides of the Ninth Annual Motorcade to Mexico plus other interesting pictures will be shown. The forthcoming La Paz L.M.R.E. Convention to be held in May, Group assistance to the needy and other pertinent subjects will be discussed.

All interested parties are invited, contact "Duke" Ellington, W6OZD.

## Hams Help

by Walter Wilson, WB4QFH

During the week of December 13, 1971 1971, an article appeared in the Palm Beach Post describing the death of a man struck by a hit-and-run driver. No identification was found on the body. On December 17, his identity was found to be that of Alfonso Martinez Bernardo, 42, a citizen of Colombia and a native of San Andres Island. Identification was made through fingerprints obtained through a visa application which had not yet been issued. It showed him as an employee of a merchant ship, the "Tropic Haven".

Since I had recently visited San Andres with my family as a guest of Francisco Velez, HKØBKK, friends of mine brought this information to my attention on December 22nd.

Fortunately, I had a schedule with Francisco on the IMRA Net on Dec. 23rd and Sister Mary got us together. Francisco told me that he knew the victim and had gone to school with him and also told me that no notification of his death had yet reached the island.

In order to be certain that we were referring to the same to the same man, I patched Francisco through to the

Palm Beach County Sheriff's Dept. who were able to give Francisco enough details of the man's appearance to make identification possible.

The Sheriff's Dept. had notified the Colombian Consulate in Miami of the man's death several days before but the information had not yet been relayed to San Andres. The Sheriff's Dept. then formally requested Francisco to break the news to the family.

Francisco did not have to perform this task alone for by a coincidence, Ed Duncan, WB4KPH/HKØ, a resident Baptist minister, happened to be in the shack. Both he and Francisco went to the local hospital and broke the sad news to the wife who is a nurse there.

Francisco then prevailed upon the governor of San Andres to cable the Colombian Consulate in Miami to make all necessary arrangements to transfer the body to San Andres. The body was to leave Miami on SAM airlines on the 28th but the flight was cancelled.

Through several more contacts with Francisco, the family was kept informed of developments in Florida. The body was flown down on Jan. 4th.

In addition to demonstrating how ham radio can get information to isolated areas much faster than the regular channels, it permitted such sad news to be broken to the widow by close friends instead of a cold cablegram.

## FOREIGN LANGUAGE QSOs

LEARN SPANISH ON THE AMATEUR BANDS THROUGH QSOs EN ESPANOL

AUDIO LINGUAL TAPES AND CASSETTES GIVE THE RIGHT DIALOG FOR AMATEUR RADIO CONTACTS IN FOREIGN LANGUAGES. NEW SIMPLE COURSES AVAILABLE EXCLUSIVLY THROUGH FOREIGN LANGUAGE QSOs

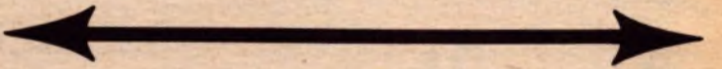
The amateur bands provide an interesting language laboratory for stimulating, progressive experience in oral communication in foreign languages.

It is easy to learn greetings and how to exchange signal reports. This regular practice in listening and speaking enables one to advance from passable communication to lengthy pleasant chats. The manuals and tapes give you the proper technical phrases to enter this game.

The goal of international friendship and good will through amateur radio is best reached by understanding the language of other countries. Your use of his language tells him immediately that you have more than a superficial interest in his culture. With conversational use of a foreign language, travel is much more interesting, too.



## Communicate



The tapes are prepared by native hams who know the right phrases actually used by foreign hams.

Orders mailed PPD 3rd Class in USA. Send checks to:

FOREIGN LANGUAGE QSOs, W1YLV  
Box 53, Acton, Mass. 01720



Carl Sletten, W1YLV

FOREIGN LANGUAGE QSOs have complete audio-lingual courses now available in Spanish, German and Japanese. We also have English tapes for native Spanish speakers. Manuals give complete translations for QSOs, special radio jargon and radio terms.

Running times for the Spanish and Japanese tapes - 1 hour and 20 minutes. The German tape runs for 1 hour and 30 minutes.

English-Spanish Course, QSOs EN ESPANOL, on 7 inch tape \$11.95, C 90 Cassette \$10.95, 5 inch tape - \$11.95, Manual only - \$2.50.

Japanese course is the same price as the Spanish course.

English-German Course, QSOs AUF DEUTSCH, on 7 inch tape & \$13.95, C 90 cassette \$12.95, on 5 inch tape \$11.95, Manual only - \$2.50.



MOUNT PINOS — Below, ground-to-air communications are manned by Wally Linstruth. Upper right photo, Mrs. Connie Warner fixes lunch for amateur radio operators manning the ground communications station. Bottom photo right, antennas pick up the signal from the airborne test transponder.



TESTING, TESTING — Above, the ground-to-air communications is maintained at the ground station. Bottom photo, right, the test aircraft.



# AMSAT/OSCAR AO-B

WEST COAST

TRANSPONDER TEST FLIGHT AA-2  
WA3NDS/AERONAUTICAL MOBILE/6

JET PROPULSION LABORATORY AMATEUR RADIO CLUB/W6VIO

Pilot: R. Booth Hartley/K6KVC

Chief, Ground Net: H. R. Mecke/W6ZGC

Project Engineer & Co-pilot: M. A. Piroumian/WA6OPB

Transponder Flight Test Engineer: Dick Ulrich/K6KCY



# JPL 'Hams' Test-Fly Radio Satellite

The accompanying article by JPL's Harold Wheelock describes a test flight in the development of a communications satellite specifically designed for the world's "ham" radio operators.

By way of clarification for those not up on amateur radio jargon, AMSAT stands for Amateur Satellite Corporation, a non-profit organization behind the communications satellite effort. Amateur radio groups in Germany and in Australia are cooperating with the American group in the design and fabrication of amateur communications gear for a satellite.

And in this day and age of advanced and refined technology, the world's "hams" are amateurs in name only; theirs is a highly sophisticated business.

The JPL Amateur Radio Club, with Walter J. Ross as president, is helping spearhead the West coast phase of the AMSAT effort. Dr. Norman Chalfin, K6PGX, is chairman of the JPL club's AMSAT committee. Nash Williams, W6HCD, is treasurer of the committee, and Jess Ball, W6BFO, the secretary. Jess is with the NASA Pasadena office at JPL.

Other JPL club members active in the program are singled out in Wheelock's article.

The AMSAT OSCAR-B (AOB) satellite is expected to go aloft some time in the middle of next year, hitchhiking aboard a rocket carrying a weather satellite. When in orbit, it will be called OSCAR VI.

"It will have a polar orbit of 115 minutes 900 miles above the earth," Dr. Chalfin said. "It will make available a communications channel for people who don't have access to it during normal broadcast times. The satellite will carry at least two of the relay stations now under development. At last report it was planned that the German-built unit and the American-built unit would be included in the equipment complement.

"They'll be using the satellites as relay stations and they will be available at times when they wouldn't be able to communicate otherwise," he added.

The 50-pound satellite will be powered by solar cells, with an orbit lifetime of between one and two years.

In addition to demonstrating that earth-orbiting communications terminals are possible using amateur radio techniques, the satellite is also expected to be used in emergency communications, contacts between medical centers, and as an aid in aeronautical, maritime, and land-based mobile communications.

By Harold Wheelock/W6SCW

Test Flight AA-2, the second airborne test of the type of equipment to be orbited on AMSAT-OSCAR-B (AO-B) early in 1972, was successfully conducted on September 25, 1971.

Taking off from Van Nuys airport northwest of Los Angeles at 0900 PDT, the aircraft covered about 1100 miles, overflying California's most populous areas, which includes about 50,000 licensed amateurs within line of sight of the plane. Proceeding south to the San Diego area at an altitude of 11,500 feet, it returned over Los Angeles Airport at 12,500 feet, traversing the Elsinore-Corona region enroute. The aircraft then flew over Ventura, Santa Barbara, Paso Robles, and Hollister before landing at Palo Alto for refueling and lunch at 1310 PDT.

The home leg of the flight began at 1545 PDT and took the plane over Sausalito, Sacramento, down the Central Valley past Fresno and Bakersfield, landing at Van Nuys Airport at 1837 PDT, some 7 hours after takeoff. Average ground speed was approximately 145 mph in order to permit more contacts through the repeater.

The airplane, a Bonanza-J, single engine, low-wing, 4-place model, was piloted by Booth Hartley, K6KVC. Maurice Piroumian, WA6OPB, served as co-pilot and flight project engineer; he maintained ground contact in a "housekeeping" net on 28,590 kHz, reported position and other flight information to the ground net. Dick Ulrich, K6KCY, the third member of the flight crew, functioned as repeater flight test engineer, protected the repeater from overload, scanned and recorded the repeater output, and maintained operating logs.

Flight test AA-2 was sponsored by AMSAT and the Amateur Radio Club of the Jet Propulsion Laboratory, Pasadena, California, assisted by the Radio Club of Goddard Space Flight Center and many individual and organizational members of AMSAT.

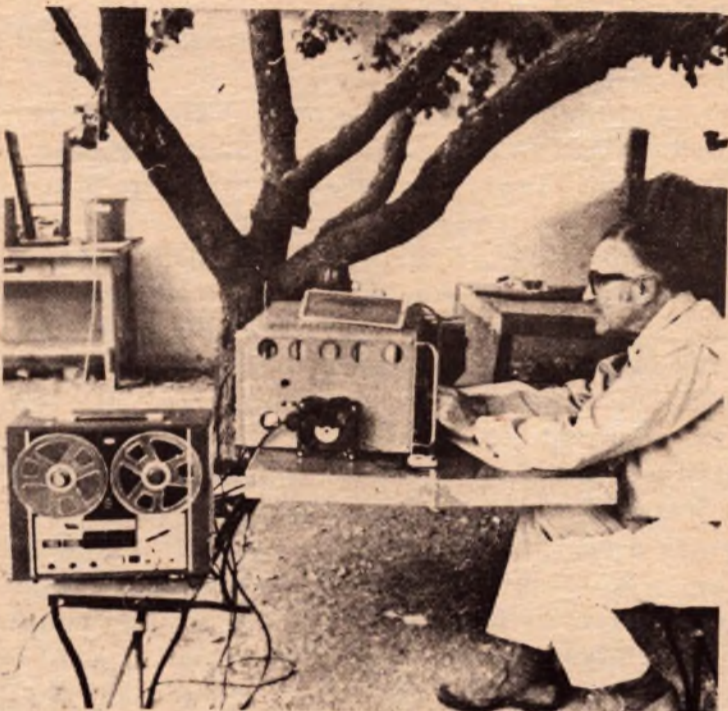
Test AA-2 was preceded by about 3 months of preparation, including three short flights in the L.A. area, one with an aircraft belonging to Ted Reid, W6HR, and the others with the Bonanza of Booth Hartley, K6KVC. During this period, the flight preparation activities were coordinated nightly on 3860 MHz with Helmut Mecke, W6ZGC, as net control.

The translator-repeater equipment was identical to that flown in test AA-1 on May 15-16, 1971, on the East Coast. It





The test airplane, rigged with antennas, taxis on the tarmac. Key JPL figures in the test were, from left, Helmut Mecke, ground net controller; Maurice Piroumian, project engineer and copilot; Booth Hartley, pilot; Jess Ball, secretary; and Norm Chalfin, chairman. Seated are Nash Williams, treasurer and publicity chairman; Gil Schuler, ground team member; Rex Edwards, JPL station operator (W6VIO), and Bob Mueller who assisted in the JPL station operation.



**JPL COMMITTEE** — Important roles in the AMSAT test were held by, from left, standing, Helmut Mecke, ground net controller; Maurice Piroumian, project engineer and copilot; Booth Hartley, pilot; Jess Ball, secretary; and Norm Chalfin, chairman. Seated are Nash Williams, treasurer and publicity chairman; Gil Schuler, ground team member; Rex Edwards, JPL station operator (W6VIO), and Bob Mueller who assisted in the JPL station operation.



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operates on a 2-meter passband from 145.83 to 146.07 MHz. The uplink signals are translated to 10 meters for re-transmission by the repeater within a segment extending from 29.38 to 29.62 MHz, being inverted in the process (upper sideband becomes lower, space becomes mark in RTTY, and the higher frequencies on the 2-meter uplink become lower in the repeater 10-meter output). A beacon signal continually transmits HI in code on 29.45 MHz as a marker for the listener. The repeater will accept single sideband, c.w., am, RTTY, and slow-scan TV signals.

Although the repeater was designed for a nominal output of one watt output, it only put out 90 milliwatts when it arrived on the Coast. Effective circuit tune-up by K6KCY brought the output up to approximately one watt.

Although the 2-meter uplink was essentially limited to line of sight, the 10-meter transponder output was expected to permit communications out to 150-200 miles, depending upon atmospheric conditions and the mountainous California terrain.

Uplink signals to the airplane were received on an omnidirectional monopole antenna that replaced the navigational equipment on the plane. A center-loaded whip mounted parallel to the bottom of the fuselage in the longitudinal direction handled the repeater output on 10 meters. A third antenna on top of the airplane, carried for the ground "house-keeping" net, was a modified monopole radiating the output of a transceiver furnished by Ted Henry, W6UOU.

A ground network to provide flight status on 7225 MHz monitored the aircraft, advising listeners of its location and of the progress of the test flight. Dennis Monroe, WB6IOE, was net control, using the station facilities of W6ZGC. The ground net also helped the flight crew to contact interfering stations, either by radio or land line. Net control was transferred to Cliff Buttschardt, W6HDO, when the airplane reached the San Francisco peninsular area.

A key ground station was operated as W6JPR/portable 6 on 8831-foot Mt. Pinos, about 85 miles northwest of the Los Angeles City Hall. Five selected stations — two in the San Fernando Valley, one at San Diego, and one at Los Altos, near Palo Alto, were scheduled to attempt contact through the repeater every 15 minutes to test the range and conditions encountered in cross-channel, airborne repeater operations.

The JPL Amateur Radio Club provided facilities for monitoring the test by officials of AMSAT on the East Coast. This phase of the operation was handled by Rex Edwards, W6IIN, who manned the JPL Club's home station, W6VIO, and patched the signals by 'phone to AMSAT members at Goddard Space Flight Center Amateur Radio Club near Washington, D.C.

The AA-2 overflight and translator-repeater test was set up as a contest, using the same rules that applied to the May 15-16 test in the East. All details of the contest will be handled through WA3NDS and QSL's should be mailed directly to Post Office Box 27, Washington, D.C., 20044.

Although this article is being prepared shortly after the termination of the test, a preliminary report can be made. Here are some of the highlights:

1. Flight AA-2 did not encounter the weak 10-meter repeater output, as reported during the East Coast test.
2. The repeater successfully passed AM signals, if they are held below the saturation point on modulation peaks.
3. While enroute to San Diego, repeater output power was reduced from one watt to 200 milliwatts because of distortion from strong signals causing the repeater to oscillate. Rather than penalize weak stations by attenuating the input, the choice was to drop power output, effectively eliminating the problem.
4. Almost every type of legal emission was heard through the transponder, including ssb, cw, fm, am, and some TTY.
5. No accurate count of contacts through the repeater can be made at this time but the flight crew reported monitoring as many as 125 stations during the flight. Many others, particularly on cw, could not be logged because of simultaneous transmission.

**PRE-FLIGHT** — In the shade of his airplane wing, Booth Hartley does flight computations prior to takeoff.





# It took "improbables" --but baby was saved

Dramatic events covered

thousands of miles,

involved people, governments

WASHINGTON (UPI)-

The drama unfolded rapidly and, initially at least, in the middle of the night.

But because of the good sense of an amateur radio operator in Silver Spring, Md., the imagination of an anonymous New York City telephone operator, the resources of the State and Defense departments, the chance travel plans of Venezuelan Ambassador Julio-Sosa-Rodriguez, and the goodwill of a number of others, an ailing child in Venezuela is now receiving much-needed medicine.

It was late on a Friday night. Jerome Horwitz of Silver Spring, an enthusiastic amateur radio operator, flicked on his receiver and tuned the dial to 14 megacycles, keeping an ear cocked while he cleaned out his garage.

Pausing briefly as he carried things back and forth, Horwitz heard the words "Break! Break!" coming in over the speaker.

"Break! Break! Break! Break!"

With a little effort, Horwitz determined that a caller in Venezuela was trying to pass on a message through any "ham" radio operator in the United States to someone in New York City. His equipment would permit him to "patch" a radio call into a long-distance telephone circuit to New York.

## FIRST PROBLEM

But the first major problem that Friday night was that the radio caller in Venezuela spoke only broken English. Horwitz knew only a few words of Spanish.

Horwitz tried to patch the call into New York. But the New York hotel which answered had never heard of Anna Morales, the requested party. As Horwitz tried to explain the failure, he began to gather a few fragmentary facts:

He was speaking with Jose Morales, husband of Anna Morales, in Caracas, Venezuela. Morales was trying to reach his wife to help in obtaining some American medicine.

Horwitz gathered it was urgent, but he had trouble understanding. He could not reach Spanish-speaking friends in the Washington area. It was now well past midnight, and much of Washington had gone to bed. What to do?

Then Horwitz had his idea. He telephoned the State Department, holding Jose Morales on the radio, figuring that someone in the building would speak Spanish.

It was already Saturday morning--half-past midnight, in fact, according to the State Department log. There was no Spanish-speaking interpreter on duty, so the State Department operator plugged Horwitz's call into the operations center, a watch office which monitors developments worldwide, 24 hours a day, 365 days a year.

## RESERVE RESOURCES

When the duty officer answered, Horwitz explained his problem. No one on the midnight to 8 a.m. watch spoke Spanish. But the U.S. government had some resources in reserve and the watch officer decided to bring them into play. Hasty phone calls were exchanged between the operations center in the State Department and the Defense Department.

Horwitz was instructed to call a Defense Department number.

When he did, he was connected with the National Military Command Center. The NMCC and Horwitz then performed the essential communications miracle. While Horwitz plugged the Venezuelan radio call into his Silver Spring telephone circuit, the NMCC plugged their end of the line through to a U.S. military base in the Panama Canal Zone.

A Capt. Sawyer and a Sgt. Hernandez came on the line from the Canal Zone several thousand miles away. Officials at the State and Defense departments listened in.

Suddenly, Jose Morales in Caracas, Venezuela, was explaining to Sgt. Hernandez in the Canal Zone the medical emergency while Washington monitored his every word.

Standing beside Morales in Caracas was Lt. Rubin Pina of the Venezuelan navy. He was the uncle of a two-month-old boy who had undergone major abdominal surgery in which 50% of his intestine had been removed. He urgently needed an American medicine, Hyprotigen, to help him on his recovery.

No Hyprotigen was available in Caracas. None was available in Washington, either as it turned out. Further checking determined it was produced in Glendale, Calif. The California laboratory told the State Department that a medical distributor in Flushing, Long Island carried it.

That was convenient because Flushing was close to John F. Kennedy Airport. And at 3 p.m. Saturday, a Venezuelan Airlines jetliner was taking off for Caracas.

## PART OF ROUTINE

"You have to remember," recalled Sam Fry, the senior watch officer, "that the State Department operations center had to continue its usual routines while the mercy search went on. We wanted to help. But we couldn't drop everything, either."

Fry had come on duty at 8 a.m. Saturday. He remembers that he ordered a call to Arthur Bander, the medical distributor in Flushing. There was no answer.

That's where the New York telephone operator stepped in. She began ringing other numbers in the same building. Finally, one number answered. By good luck, the receiver of the call knew Bander's home number.

Bander was home Saturday morning. And he answered his phone.

Yes, he had a supply of Hyprotigen. He offered to drive to his office and package the supply in two boxes. And, better still, he volunteered to deliver the package to the airlines desk at John F. Kennedy airport.

Meanwhile, in Washington the State Department operations center had called the Venezuelan embassy.

## AMBASSADOR AVAILABLE

"We wanted to get the embassy's backing so we would break through any red tape that developed." Fry recalled. "By another piece of luck, we learned that Ambassador Sosa-Rodriguez was booked on that very flight we wanted to make with the medicine. When he learned of the emergency, he agreed to hand carry it and to deliver it to the airport in Caracas."

Fry wrote a postscript to the case in a memo he drew up for the State Department. He said, "With the pieces of the puzzle rapidly falling into place, the department operation center advised embassy Caracas that the drug would be on the way, hand carried by the Venezuelan ambassador. The embassy arranged for the sick infant's uncle to meet the flight in Caracas.

"On Saturday night, less than 21 hours after the ham operator in Caracas began his search for assistance, the medicine was delivered to the hospital and the infant began the long road to recovery."





# ECARS ELECTION RESULTS

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William Broughton, W2IR, 55  
Robert Huffman, WA3JRY, 51  
Ronald Horneck, WA2GQW, 40

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Irving Geller, WA1CDW, 69  
Adam Hirshan, WB2OHU, 69  
Charles Reville, WA3LQV, 69  
Henry Yastrov, W3HDB, 39  
Thomas Brion, WA1MHJ, 37  
Michael Hall, WA3HSR, 36

No write in candidate received more than six votes.

The totals do not quite tally with the total number of ballots cast because some persons did not vote for all offices.

Out of 444 ballots sent out 232 were returned for a 52% return.

The new officers took office January 15. These elected officers constitute the Executive Committee of ECARS for the year 1972.

ECARS operates on 7255 kHz.



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**ARRL COUNTRIES LIST** — official list of ARRL DX contest and DXCC. Courtesy ARRL.

**COMPASS ROSE** — for that rotary beam indicator, graduated for 360 degrees. With white background and no print on the reverse side of the sheet.

**PLUS THESE INTERESTING FEATURES** — INTERNATIONAL "Q" SIGNALS; WORLD WIDE QSL BUREAUS; "Z" CODE FOR POINT-TO-POINT SERVICE; ARRL PHONETIC ALPHABET; TELEGRAPHERS ABBREVIATIONS; DX OPERATING CODE; TELEGRAPH CODES.

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## traveling ham

I have been visiting hams during my travels for the past 20 years and found that amateur radio does provide for better international understanding.

I am presently continuing my travels in Spain and Portugal for the winter and then on to some of the eastern countries to wind up about 15 years in the European, African and Middle East area.

Generally when I arrive in a new area I contact a recommended ham or visit a ham club. In a short time the necessary information is provided with trust, and many obstacles are overcome.

This I feel beats traveling around as a tourist.

Phil Pector, W9LDX  
Valencia, Spain





## A Date With Betty

Charles Brooks has a date with Betty Crocker — it is a Dec. 5 deadline for he and his family to collect enough Betty Crocker coupons to buy a life-saving kidney machine for The Kidney Foundation. Brooks' "Family" is not only his close-knit home of his wife and eight children who live in Manchester, but also The

Midwest Country Cousins amateur radio station whose members live all over the mid west (from New Jersey, this way). A total of 360,000 coupons are needed by Dec. 5 to redeem them for one machine. Even expired coupons will be accepted for this last offer from General Mills.

*Journal Staff Photo*

## HAM Charles Brooks Starts Drive to Collect Betty Crocker Coupons for Kidney Machines

By CHYLENE JAHN

There is not a cereal box, cake mix package, or sack of flour in the Charles P. Brooks home in Manchester that has not been "robbed" of a little green-edged square that is worth approximately 1/2 cent.

The square (which sometimes comes in a circle) is what is lovingly referred to as a Betty Crocker coupon and for a limited time, General Mills will redeem them for life-saving kidney machines.

But one household could hardly hope to save enough for a machine since it will take 360,000 per.

Charles Brooks learned of the need for a kidney machine in the St. Louis area through a drive to aid a severely ill young husband and father.

He took the story to the nation through The Midwest Country Cousins. (Charlie also answers to WBODQD -- a local HAM.)

The Country Cousins, an amateur radio network, immediately dove into the drive and has collected over 80,000 coupons. But the deadline is approaching.

General Mills has announced that they would discontinue their program

for offering the machine as of Dec. 31, 1970. The Kidney Foundation has applied for extensions to this deadline and now has until Dec. 31, 1971.

This means that a deadline of Dec. 5, 1971, must be observed locally.

People can send cou-

Another envelope from Richmond, Virginia, where a television station engineer has encouraged the station to broadcast this appeal for a kidney machine, and to Parsippany, New Jersey, where a note read "Good Luck, Charlie," in a package of coupons.

"It is amazing how people take you on faith," Mrs. Brooks said, "and they want no recognition."

"I feel if you just let people know, they will

Richmond, Virginia, where a television station engineer has encouraged the station to broadcast this appeal for a kidney machine, and to Parsippany, New Jersey, where a note read "Good Luck, Charlie," in a package of coupons.

Brooks said he was surprised to learn after working with the Kidney Foundation and getting into the drive, that a kidney machine costs only about \$1,900 to \$2,500. And as many as 200 people in the St. Louis metropolitan area could benefit from a machine.

"Many people live on the machines as many as 36 hours a week," Mrs. Brooks said.

"One woman brought in 300 coupons and said that her nephew had been on a machine for six months, until his body strengthened itself to accept his sister's kidney."

The Brooks are confident they can meet this deadline. They ask that anyone who has coupons that they want to see put to the best possible use either mail or bring them by.

You can find them at home most any night -- counting coupons.

### Coupons Can Be Mailed to:

**Charles Brooks  
P.O. Box 688  
Manchester, Missouri 63011**

pons, no matter how many or how few, to Charles Brooks, P.O. Box 688, Manchester, 63011.

They are coming in daily.

"Locally last week, we received 6,000 coupons," Mrs. Brooks said. Students at Parkway South Junior High collected another 6,000.

"The response has been great from people who will have no direct benefit," she said. "Churches have given up silverware which coupons are often used for; one woman sent 758 in a package."

help," Brooks said.

Brooks, who adopted the hobby of HAM radio operating about 3½ years ago, says one of the main purposes of the hobby is for the HAMS to help each other.

"It is an unusual group of people," he said. "I have never found one whom I would not trust. Nor has one ever not trusted me."

The Country Cousins are not competing with each other on collecting the most coupons. The "Midwest" goes all the way to

# HAM RADIO IN Greece

by Theron "Woody" Woods, W6ANX



(L.-R.) Nick, SV1DA; Woody, DL4WO-W6ANX; Din, SV1DB, on the Acropolis.

The Amateur Radio situation in Greece has been brought from practically nothing to, in just three years, a well organized and thriving organization.

This has been brought about mainly through the great determination and effort of Constantine "Din" Psiloyannes, SV1DB, with the help of Nick Constes, SV1DA, and fellow hams.

The remarkable changes in Amateur Radio were made possible because of Din's alertness and persistence in getting the backing of Greece's military government to introduce and maintain rules and regulations having to do with the operation of Amateur Radio.

Most of the amateurs in Greece belong to the National Amateur Radio Union of Greece, of which Din is president and Nick, vice-president.

"The Club", as it is known, has over 600 members, meets every Sunday morning for classes in theory, code and all stages of radio learning for Hams, prospective Hams and anyone interested. Their regular meetings are held once a month and special meetings are held at various times for extra help.

Awards and certificates are being offered to Hams throughout the world to stimulate interest in their activities. Nick is Awards Manager. The Club lacks technical books, instructions and written material on Ham Radio, for individual and classroom study and will greatly appreciate any material of this kind that anyone may be able to offer.

Din has started a new company that manufactures beam antennas, towers and electronic equipment and we will hear more about "Electron Hellas Co." of Athens soon.

(from "West County Journal" a St. Louis, Mo., suburban newspaper)



# 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.

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# Ernie Bracy, W1BFA

by E. David Luria

Ernie Bracy, W1BFA, is unquestionably the single most dedicated volunteer participant in the entire Partners of the Americas program, which now spans 40 U.S. states and 18 nations of Latin America and the Caribbean.

As Chairman of the Maine Partners and as International Communications Chairman for the Partners of the

Americas organization, Ernie spends most of his non-working hours on the amateur radio, handling traffic for 20 of our 42 partnerships.

Among his most outstanding accomplishments within the past two years have been the coordination via radio of a tri-state (Arkansas-North Carolina-Utah) disaster relief effort during a 1970 polio epidemic in Cochabamba, Bolivia; a two-year communications liaison between Maine, Natal (Brazil) and the officials of the hospital ship SS HOPE in a successful effort to have the HOPE ship begin a ten-month tour of duty in Natal in February, 1972; numerous life-saving medical rescue missions, such as one that recently saved the life of a young Brazilian woman dying of a rare fungal infection known as torulosis; and five months of communications work before, during, and after our Fifth Inter-American Partners of the Americas Conference in San Jose, Costa Rica in January of 1971.

On a daily basis Ernie handles traffic regarding shipments of Partners cargo to and from Latin America, such as the recent delivery of four Pennsylvania sheep to Bahia (Brazil) via a Brazilian Air Force C-130, or the shipment of 30 tons of donated hospital equipment from New Jersey to Alagoas (Brazil).

He consistently awakes U.S. Partners or gets them out of the shower at 6 a.m. for a phone-patch call with Brazil, gets messages through by radio, messenger boy and canoe to key Partner staff officials vacationing on remote radioless islands off the coast of Panama. He has even patched a call from Brazil into an elevator telephone in Newark, New Jersey!

For his contributions to our program Ernie Bracy was awarded a certificate and trophy for Outstanding Service at the Fifth Inter-American Partners Conference in San Jose, Costa Rica. More recently he was elected to serve on the Executive Committee of our Board of Directors.

Ernie believes deeply in the philosophy of communications as a means of promoting understanding and goodwill among people of the world. He lives what he believes.

(The author of the above article, E. David Luria, is Associate Director of the Partners of the Americas. He wrote the article as a personal tribute to Ernie. Any amateur desiring more information on the Partners program may write to 2001 "S" St. N.W. Washington, D.C. 20009)

# Leon Stanley, W7DKB

1972 President-AMATEUR RADIO EDITORS ASSOCIATION

from "LEADERS IN AMERICAN SCIENCE"- 8th edition

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Salt Lake City, Utah, Dec. 30, 1911.  
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C.E., Univ. of Utah, 1937. Exp.:  
Topographic Engr., Geol. Survey,  
U.S. Dept. of Interior, Sacramento  
Dist., Calif., 1937; Resident Engr.,  
Natl. Park Serv., U.S. Dept. of  
Interior, Utah Region, 1938; Dist.  
Eng. Grazing Serv., ibid., Utah  
Region, 1939-42; Asst. Area Engr.,  
Salt Lake City Dist., U.S. Engrs.,  
Wendover AFB, Utah, Dugway Proving  
Grounds, Utah, 1942-43; Asst. Chf.  
Engr., Grazing Serv., Office of Dir.,  
U.S. Dept. of Interior, Salt Lake City,  
Utah, 1943-46; Dist. Engr., U.S. Soil  
Conservation Serv., Cedar City, Utah,  
1946-47; Resident Engr., Ft. Douglas  
Hosp., U.S. Engrs., Fort Douglas,  
Utah, 1950-53; Asst. Engr. Officer,  
V.A., Ft. Douglas Hosp., Salt Lake  
City, Utah, 1953-54; Office Engr.,



Proj. Office, Bur. of Reclamation,  
U.S. Dept. of Interior, Ogden, Utah,  
1955-56; Pres. and Dir. of Rsch.,  
Jensen-Sandberg, Inc., Salt Lake City,  
Utah, 1957-63; Special Projects Engr.,  
Air Force Logistics Command, Hill  
AFB, Ogden, Utah, 1955---. Hon.  
Pos.: Past Pres., Mineral Soc. of Utah  
Utah; Dir., Utah Audubon Soc. Mem.:  
Am. Soc. of Civil Engrs.; Cooper  
Ornithol. Soc.; Natl. and Utah Audubon

Soc.; Univ. Club, Salt Lake City;  
Quarter Century Wireless Assn.;  
Internatl. Amateur Radio Journalistic  
Soc. Co-Editor: Mineralogical Soc. of  
Utah Bulls., 1956---; Mineralogical  
Soc. of Utah Field Guides, 1957-60.  
Contbr. to: Civil Engr.; Mineral. Soc.  
of Utah Bull. and Field Guides; The  
Engr. Gen. Int.: Chmn., Editing Com.,  
Internatl. Footprinters Assn. Areas of  
of Rsch.: The Great Salt Lake; Chem-  
icals and Manufacture of Salt Using  
Solar Process; Trace Minerals by  
Chelation from Great Salt Lake and the  
Sea.

## Joseph Schwartz, K2VGV



Joseph Schwartz, K2VGV, (L),  
President of the New York chapter of  
the National Awards Hunters Club,  
International, was presented with a  
plaque honoring him as "Amateur of  
the Year." He was also re-elected  
for the fifth term of office as president  
of the New York chapter. Making the  
presentation is Daniel Patterson,  
WB2PBQ, (R).



# Greece

(From page 20)

1. The SZØ Award:  
To commemorate the 150th anniversary of the liberation of Hellas, all Hellenic stations used SZØ prefix in place of SV1 during 1971. For this reason the National Society of Greece is issuing this award to the Hams or SWLs who have worked or heard five(5) different SZØ stations.

2. The Europe SSB or CW or AM or SWL Diploma: Each of these diplomas is offered to those who have worked or heard twenty (20) different European countries including Greece, 100%.

3. The World SSB or CW or AM or SWL Diploma: To obtain each of these diplomas you must have worked or heard one hundred (100) different countries, including Greece, 100%.

4. The Acropolis Award  
This special award is given to those who work or hear ten (10) different Hellenic stations.

5. Each Season's QSL Winner: We are offering a statuette of the Hellenic ancient art for the best QSL card of each season. Another prize, which is chosen from a rich collection of all kinds of Greek arts and crafts, is offered to the second-best QSL card of the season.

NOTE: When applying for NARUG diplomas, do not send QSL cards but a certified QSO list. Each diploma costs only two (2) IRCs so that prompt delivery is insured.

Mni 73's  
Nick Contses, SV1DA  
Awards Manager  
The National Amateur Radio Union of Greece (NARUG)  
P.O. Box 1442  
Athens, Greece



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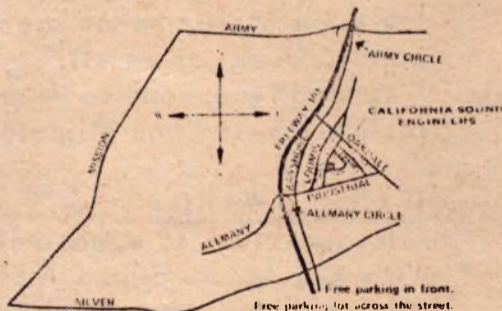
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AIRLINE	DRAKE	*LLOYDS	PHILCO	*SYMPHONIC
AIWA	*DUAL	**(3)MACYS	*PHONOLA	*TANDBERG
*AKAI	DUMONT	MAGNAVOX	*PILOT	*TEAC
ALTEC	DYNACO	*MAGNECORD	*PIONEER	TELEFUNKEN
**(3)AMC	EICO	MARANTZ	*QATRON	TELEPHONE
*AMPEX	ELECTRO-HOME	MARTEL	RCA	*TELEX
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*BELL & HOWELL	*FISHER	MGA	REVOX	TRANSCRIBER
*BENJAMIN	*GARRARD	*MIDLAND	RHEEM	*UHER
*BOGEN	**(2)GE	MIKADO	*ROBERTS	**(3)VANTAGE
**(3)BRADFORD	*GEMINI	MILOVAC	ROLECOR	*VARITONE
*BROADMOOR	GROMES	*MIRACORD	ROSS	*VIKING
*BSR-MCDONALD	*GRUNDIG	*MONACOR	ROTEL	*VIVITAR
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# nsa

Barry Anderson, WA1KCJ

## NU SIGMA ALPHA

## International Amateur Radio Fraternity

Amateurs in many parts of the world were on frequency to work Nu Sigma Alpha's headquarters station during Nu Sigma Alpha Week.

Operating under FCC special call WM1NSA, operators logged contacts with more than 800 fellow amateurs in 44 states and 38 countries.

At the rig on a rotating basis were Harvey Morse, K1DJG; Dick Gregorio, K1RAW; Dave, W1YSQ and Barry Anderson, WA1KCJ. The rig was a Yaesu FTdx 560 transceiver, Heath SB-220 linear and a Mosely 2 element cubical quad up sixty feet. The linear got so hot that we finally had to put a room-capacity cooling fan on top of it to keep the finals from melting!

With the large number of stations on frequency it would have been difficult-if not downright impossible-to have worked as many stations as we did if it hadn't been for the courtesy shown by all who participated.

To you fellows who notified WM1NSA that there were DXers on frequency desiring contact, and then QRXd so that these stations could be worked with minimum interference; and to the many non-participating stations who unquestioningly QSYd upon request - goes NSA's heartiest thanks.

It was gratifying to see so many amateurs observing-not abusing-the radio amateur's Code of Ethics. Congratulations. We at Nu Sigma Alpha hope to have you join our fraternity. We believe that the activity proved that amateurs-everywhere-will Never Stand Alone!

### W3DAK-WELCOME

G. "Denny" Marbach, W3ADK, of Indiana, Pa., is a retired Navy Commander and one of the first pilots in the original Blue Angels aerobatic team. He is a life member of the Quarter Century Wireless Association, belongs to ISSB, AMSAT, as well as the Flying Hams Club.

The holder of FCC First and Second Class licenses as well as an amateur Extra class ticket, Denny is active on all bands and operates both CW and SSB. It's a pleasure to welcome Denny into the ranks of Nu Sigma Alpha.

### COMMENDATION-NSA SAYS THANKS!

How often have you been in QSO with a fellow when suddenly someone QSYs right on top of you and starts calling CQ - without so much as asking if the frequency were in use? Of course, many times! And how about the fellow, who, when asked politely to QSY, up

or down-just off your QSO - do you get "Not on your life, Pal!"

Now, on the other side of the mike, you're in QSO and suddenly you hear, "Is this frequency in use?" followed by his call and a long pause. You come back, "The frequency is in use, OM." You hear, "Thank you sir" What do you think?

Nu Sigma Alpha members are going to be on the watch for these courteous amateurs who, out of plain good operating habits, make these crowded bands almost bearable.

Any amateur monitored, and who, in the NSA member's judgement, deserves a well-earned pat on the back for his courteous operation, shall receive from the monitoring station a Nu Sigma Alpha Certificate of Commendation.

The Commendation shall specify the date, time, and frequency on which the Commendation was earned, and shall also specify the particular characteristic operating procedure for which he is to be commended.

Nu Sigma Alpha headquarters wishes to express its thanks to Jon Ferrara, K4CLM, for alerting us to this unique way of "policing" the bands. We feel this is action taken in the right direction - toward making amateurs proud of both their hobby and themselves, and will help to eliminate some of the unnecessary QRM on the bands, making the amateur bands more pleasurable to work for us all.

We want everyone to receive a commendation-are you eligible?

### WANSA AWARD

Headquarters is sponsoring the "Worked All Nu Sigma Alpha" award. Any amateur, member or non-member of NSA is eligible to receive the award. All you must do is work Nu Sigma Alpha members in 12 different countries, each country of which has its beginning letter as one of the letters in NU SIGMA ALPHA. For example, if you were to work a member station in good standing in Argentina (beginning letter "A") - that contact would count as one (and only one) of the "A"s in Nu Sigma Alpha. A total of 12 different countries is required. All bands and modes may be used.

A list, including the name of the country, call of the member station worked, and date worked, and signed by two General class licensees (or higher) shall constitute a valid entry. QSLs need not be sent.

The first recipient of the "Worked All NU SIGMA ALPHA" award shall receive a special prize to be determined by NSA's Board of Directors.

Send your entries to: WANSA Award, P.O. Box 310, Boston, MA 02101. Who's going to be the first to win the Worked All Nu Sigma Alpha award? Maybe...you!!

### NAMELESS NEWSLETTER!!

Come on guys! Only a couple of suggestions have been made as to what we might call our newsletter! Too many thoughts-not enough writing-to headquarters, that is. Let's hear it from you bright guys, anyway!

### WANTED-DX MANAGER

NSA is in dire need of a DX manager whose function it will be to coordinate our DX stations so that our members will be able to work them in orderly fashion, preferably from a predetermined list. Our DX manager should be capable of corresponding by mail with these stations, set up time, method of operating and operating frequency. Experience in DX operations is a must. If you are interested in this position, please write to NSA Headquarters.

### WA9VIR-NINE AREA MANAGER

Bob Zuiker, WA9VIR, has been unanimously elected as Nine Call Area Manager for Nu Sigma Alpha. Bob, one of the most enthusiastic amateurs we know, has been a regular participant in all Nu Sigma Alpha nets-having voluntarily taken over as Acting Net Control on more occasions than we can count. We are convinced that Bob is going to turn Nineland into a virtual haven of NSA-men! Bob-keep up the good work, and...Congratulations!

## NOTICE

WORLD RADIO-Amateur Radio's Newspaper-desires to print news of the various organizations. This is done as a journalistic service to the members of the group and also so non-members may see what that organization is doing. We publish every three weeks in an effort to bring current news. The IMRA has been with us since the first issue (28 June 1971) and in this issue NSA joins us. In the very near future we will have a news column for MARN -Mosaic Amateur Radio Network.



# DX

The International DX Amateur Radio Association (I-DX-ARA) has started a new DX net for exchange of DX information.

This I-DX-ARA net will be on the air every Sunday as follows:

14.300 MHz from 1600 to 1630 GMT  
21.360 MHz from 1630 to 1700 GMT

All stations are invited to check into this net and pass on any information they may have regarding new DX stations on the air, changes in operating schedules of any DX station, news about DXpeditions, awards, etc.

Master Net Control station will be 9V1QJ (Jack Daugherty). In the event the MNC fails to show, please check in with any net control station acting in his stead.

The MNC station will consolidate and pass out current DX information in the last five (5) minutes of each net period on each band, i.e. 1625-1630 for 20 meters and 1655-1700 for 15 meters.

Please QSP this information to all your ham friends and let us all pass on all DX information possible for the benefit of all radio amateurs all over the world.

## LIST OF WORLD'S DX NETS

The list of Amateur Radio Nets of the World (AR-NOW) is in the second printing. This list is sent free to all Master Net Control stations free upon receipt of a request and a self-addressed stamped envelope. All others are expected to send about five IRCs with their SASE to help defray the cost of printing and mailing.

Send your requests to 9V1QJ at:  
Apt. 31-L Orchard Court, Oxley Rd.,  
Singapore, 9 or c/o USAFORI, FPO  
San Francisco 96699 or c/o SARTS,  
P.O. Box 2728, Singapore

(de XTRA News Letter, IARS, K6BX)



Martti Laine, OH2BH, and XYL

## international travel health information

This booklet tells immunization requirements for entering most countries, as well as recommended immunizations and other health precautions for international travel. Ask for Public Health Service Publication No. 2045 - for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 - Price 10 cents.

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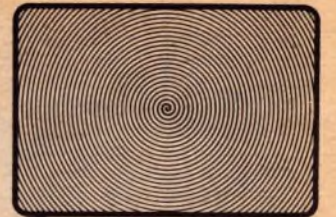
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## Who sent me this?

If this copy of WORLDRADIO came to you in the mail, and you are not a subscriber, it is a complimentary sample copy. It was sent to you in the hopes you would find the contents of interest.

We wish to chronicle the achievements and accomplishments of the amateur radio operator. Such an effort, of course, depends on support from the amateur radio operators in the form of subscriptions.



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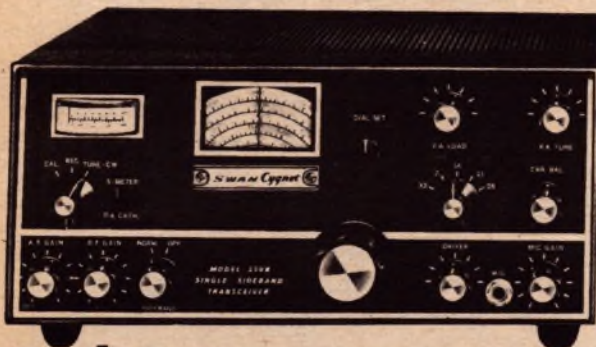
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## rig

Worldradio has a Swan 270 Cygnet available for loan to medical personnel, relief agency staff, etc., going overseas on the short-term volunteer tours. The rig operates on 220 v.a.c.





# A guy named Bob

from ECARS "Monitor"

by Charles Schwartzbard, M.D., WB2IWH

If you hear, once in a while, a bird chirping on 7255 kHz, please, do not slam down on the top of your rig, or start pulling out wires, or engage in other rash activities, for you are hearing the modulated peeps of the famous parakeet, Jo-Jo, who is probably sitting atop the shoulders of his master, Bob Suizzo, a true friend of ECARS in every sense of the word. Perhaps you have not recognized the last name of the individual just mentioned, but who of us who are participants of the fine ECARS net has not heard at one time or another the booming signal declaring, "This is K2PJG, Kilo Two, Papa, Juliett, Gulf. The handle is Bob, Bravo, Ocean, Bravo, and the QTH is Totawa Borough, New Jersey. Check ins, call now."

Of course we have all heard him because he has been a most important influence in the success of our net. He is on most often, and has volunteered his time as Service Control beyond all reasonable expectations.

To write about Bob is not easy; he is a complex individual who is subject to more anxiety and strain than is the average man, but he manages just fine, is always ready to lend a helping hand, and always has his door open to anyone who wants to come by for a chat. He has had to overcome many obstacles in his life to now emerge as one of the best-loved and respected inhabitants of 40 meters. His life should be discussed openly so that many of you readers who do not know him as well as I do can understand him better.

Bob has given me permission to write this piece and aside from some of my favorably biased subjective feelings about him, all the information has come from Bob's lips. You know about Bob the ham, now I want you to know about Bob the man.

He was born in Paterson, N.J., on August 16, 1932, being the youngest of three sons born to the Suizzo household. Some things in life are unexplainable, and so it is with Bob because he was born with cerebral palsy and till this day has never walked nor used his left hand.

His mother and father took him to the best specialists in New York who all said that he would never walk. However in 1962 he was operated upon in one last attempt, but the operation failed.

Regarding this Bob said to me, "The operation did not help. Oh yes, I was depressed. But God took good care of me. He never took his eyes off of me. He saw me through all of my problems." If I did not write one additional word in this article, you would know what type of person Bob is just by that quote.

He was denied entrance to public schools due to his disabilities, so all of his education was obtained through private tutelage until he was 16.

His life must have been lonely until 1952, when at that time he passed the Novice test and got on the air with a homebrew CW rig constructed by a friend and also an AR-2 Heath receiver. From there he went on to the Tech level and sat on 6 meters for awhile using a Gonset Communicator. In 1958 he passed the Conditional and went on 75 meter AM phone with an AT-1 transmitter furnished by the Amateur Radio Missionary Service. The next step was to a Viking II transmitter and an HQ-110 receiver which he was using when he found ECARS in 1969.

I asked him how he became interested in the net and he said, "I was tuning around 40 meters when I heard a bunch of guys using such terms as "contact" and "Push-pull" and "check-in" etc. and I got interested in this and stuck around and began learning about net functions." Bob told me that the first Service Control he heard was Dave Mann, K2AGZ, who presently writes the "Leaky Lines" column for 73 magazine. It did not take Bob long to learn enough so as to assume Service Control himself.

He worked slowly having to do everything with his right hand but most of the guys were patient and gave him encouragement. Of course, there were those who harassed him because of his wide and unclear AM signal, and there were others who thought he took too long at everything, but they were in the minority.

At that time I had just received my General ticket and began exploring the vastness of 40 phone when I came upon ECARS and began listening intently to Bob and the rest of the boys. I liked what I heard even though that AM rig sounded like the dickens, so a bunch of the guys in North Jersey started the "Bob Suizzo Fund" to collect money to buy Bob a sideband rig. Money did come in, but not enough until one day when I approached my friend, Sel Rachles, WA2CFA, who at that time was quite active in the net, and his generous donation put us over the top.

I know Sel would not want me to write this, but just for friendly spite I will say that if it were not for his humanitarian generosity, Bob would not be sideband today, so you can imagine what WA2CFA did. We bought Bob the HW 22-A and another wonderful person, Ray Marko, K2DWL, built the rig and power supply perfectly.

We presented the rig to Bob on Dec. 22, 1969. Bob's good friend, Stan Sears, W2PQG, and some of the guys put up a perfectly cut dipole and this plus the late Bernie Howe's (K1LTO) linear put Bob on 40 in style. He had become the loudest signal on 40 meters. He deserved to be heard - he had listened enough.

Bob asked me to write and tell you his personal feelings about the net and people in general. ECARS has given him a new life. That may sound melodramatic, but nevertheless it is the truth. He has so many friends he doesn't know what to do with them all. You almost have to make an appointment now to see him.

K2PJG has asked me to single out certain persons, in this article, to whom he is very close. We will start with Stan Sears, W2PQG, who is an electronic whiz. Stan handles all of Bob's technical problems and keeps that HW 22-A well-behaved. He has come to Bob's aid in every instance for which Bob says thank you. There is Rev. Walter "Doc" Martin, WA2-AHO, who has been a source of comfort and inspiration throughout the years. I know Doc Martin, I have lunched with him, and even though our faiths differ, I will say that being in his company is a real pleasure. He radiates compassion and understanding which are hard to come by in today's world.

Another source of inspiration and understanding is Bob's friend, Mrs. Dorothy Standerd of North Haledon, N.J. Dorothy is a SWL and she and her husband, Phil, have helped Bob for many years. We will also mention Bob's brother, Joe, who lives upstairs with his own family. Joe recently had Bob admitted to a local hospital which has helped enormously. Bob is now awaiting a new electronic chair which will help him sit more comfortably. We will also mention again Sel, WA2CFA, who has had so much influence in Bob's life and also Bob Scupp, WA2CXS, who visits regularly and is always ready to help out in every way.

(Turn to page 30, please)



# 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)

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Steve Olsen, W6EQM, Fresno, California  
Edward Comeau, W1JWA, Haverhill, Massachusetts  
Karl Johnson, W2YJD, Bethpage, New York  
Geoff Green, VS6DA, HONG KONG  
Jurgen Rottgen, DJ3KR, Lindau/Harz, W. GERMANY  
Richard Reuling, Sr., K3ZKD, Newark, Delaware  
LCDR. Arvid Lyons, WB6NKG, FPO San Francisco  
Gregory Ginn, WB6ZNM, Hermosa, California  
John Peer, W8LS, Orchard Lake, Michigan  
Dennis Scannell, WB6IXC, San Diego, California  
Bob Zuiker, WA9VIR, Riverside, Illinois  
Thomas Barrett, W1KUE, Springfield, Massachusetts  
Eloise McLean, W1FOF, Wellesley, Massachusetts  
J.K. Hobbs, W4RMB, Birmingham, Alabama  
Joseph Pinella, WA9VGY, Indianapolis, Indiana  
Larry Lange, WA7PEZ, Eugene, Oregon  
Dr. Edward Wise, W7OG, Tucson, Arizona

Max Schutz, WA6DMV, Manhattan Beach, California  
Garland Moore, WB6NSX, Anza, California  
John Meyers, WA6IQI, Fallbrook, California  
H.T. Orr, W6EIF, West Covina, California  
Glenn Baldwin, WA6NDL, Paramount, California  
Dennis Nunez, WA6QWW, Sacramento, California  
O. Rischbieter, WB6QFL, Arnold, California  
W. "Temp" Campbell, W6ELW, Oakland, California  
Dorothy Holms, WB6OSP, Costa Mesa, California  
Bill Knight, W6LWV, Felton, California  
William Buscingham, Jr., WA4JCD, VIET-NAM  
Pentti Paasonen, OH5US, Kouvola, FINLAND  
Bjorn Noren, SMØEWM, Huddinge, SWEDEN  
Martti Laine, OH2BH, Helsinki, FINLAND  
John Velamo, OH2YV, Helsinki, FINLAND  
Chuck Miller, -, Sacramento, California  
Virgil Schooley, WA6QZA, Yucca Valley, California  
George Losthouse, WA6UNW, West Covina, California  
Carl Winter, W6OAW, Gardena, California  
A.H. Palmer, WB6RMT, Long Beach, California  
Charles Heilman, WB6GJG, Kingsburg, California  
Harry Kendall, WA5ZGR/TF, Keflavik, ICELAND  
Wyman Fong, W6PVQ-KJ6CF, Johnston Island  
Nellie Lazard, XE1CI, Mexico City, MEXICO  
Col. C.E. "Chan" Howland, W6WMA, Pacific Grove, CA  
Charles Cotterell, WØSIN, Lakewood, Colorado  
John Dykstra, WA7RHK, Phoenix, Arizona  
John Parsons, K3OTY, Glenshaw, Pennsylvania  
Robert Jeffery, WB8DUO, Fostoria, Ohio  
Earl MacRae, WB6SPB, Newport Beach, California  
Ben Holloman, W5CP, Dallas, Texas  
Mary Ryden, K8ONV, Milan, Ohio  
(Continued next issue)



■ People Helping People

# imra

Sister Mary, WA5VBM



## 14.280 MHz

### IMRA News Notes



Brother Joe was born in New York City in 1936, moved to Scranton, Pa., in 1948, where he finished his schooling before entering the Don Bosco Seminary in Newton, N.J. in 1955 as an aspirant to the brotherhood. The Society of St. John Bosco, to which Brother Joe belongs, is dedicated to the education of young men and boys. The Society is sometimes called the Salesian Order.

Brother Joe's main job at the seminary is baking. He works on all kinds of breads and pastries learning the skill after going to the seminary. One of the other brothers taught him all the "tricks of the trade" and all of us on the IMRA Net are accustomed to hearing such "mouth watering" comments as, "I gotta QRX for about ten minutes to take the cherry pies out of the oven."

Reflecting his Italian background in his appearance Brother Joe has black hair and brown eyes and stands a good 5 feet 10 inches.

As for hobbies, Brother Joe is quite active as a musician. He plays the piano (both classical and popular music) the saxophone and the string bass. He is a member of the seminary band and the folk song club and he often entertains at the local homes for the aged.

But, Brother Joe's big hobby is helping other people as the students at the school, especially those from Central and South America well know. He tries to keep home-sickness at a minimum by keeping the students in touch with their families. A former student of the college is now at the Cardinal Spellman Secondary School in Quito, Ecuador, and he and Brother Joe collaborate to keep the students from Quito in touch with home.

Recently while reading the mail on a couple of Italian stations, Brother Joe became the first stateside Salesian brother to know the name of the new Father General of the Order and the first to know the results of the General Chapter held in Turin, Italy.

Brother Joe can be heard every day assisting on the IMRA Net. Listen for him checking in from the "Undulating hills of Sunny Sussex County."

DON'T FORGET... Get Acquainted QSO Party... Date: Feb. 21, 1972. Frequencies: 3950, 7280, 14280. Time: 1500 GMT until the band or voices give out.

WA1FKE, Brother Bernard, spent part of the Christmas vacation with Warren Mulhall, WA2BPV, in Manasquan, N.J. Brother Bernard is recuperating satisfactorily from his bad fall (Worldradio, 17 Jan. 1972, page 20) and should be back on the air with his "big" signal, soon. On his way back to Providence, R.I., which is now home QTH for him, he stopped off and visited with Ed Webb, WB2OFZ.

WA2BPV, Warren Mulhall, is spending a couple of weeks in Virginia attending computer school. He is taking an SR-150 with him and hopes to throw up and inverted Vee.

WB4JOB, Joe Lanno, and WB4RBR, Frank Studva, both located in Miami, spent some time working on Joe's antenna. Joe gave the instructions and Frank did the work!!

WA8LEI/WA8JLF, Marie Sutter, was back on the air from Loveland, Ohio for a week through the courtesy of Jack Reith, W8HQQ, who loaned her his TR-3. It was a delight to hear the Lovely Lady from Loveland on the IMRA Net daily.

WB2WNZ/WB2SOR, Brother Joe Tortorici, spent a couple of weeks in Columbus, Ohio, and while there he took a side trip to Cincinnati to visit Ray LaFollette, K8RHF. The day that Brother Joe was there almost turned into an IMRA hamfest. Also at Ray's that day were: Walt Huelsebush, K8HBH; Marie Sutter, WA8JLF; and Bill Bross, WB8FXP.

W8GYR, Brother Robert, stopped over in St. Louis on his way back to Canton, Ohio, and gave Marie, WA8JLF, a ride back to Cincinnati.

WA4VWJ, Pat Healy, dropped in on the IMRA Net to surprise us all with greetings on New Year's Eve. He is still not back on the air and is doing the hamming he does via Elmer Lunt's (W4SFD) phone-patch.

W1HWK, Father Dan Linehan, is in Walnut Creek, Calif., spending a couple of months at his sister, Geri's QTH. Checking in portable he has reported that he has set in motion the re-incorporation of the IMRA in the state of Rhode Island. As Executive Secretary of the IMRA, this is his job and it must be done every two years.

W6BSO, Father Len Bose, checked in to "chair" the officers meeting on December 22 and announced the fact that St. Lucy's Parish Hall lost its roof in a wind storm. Just the thing to make a parish run smoothly during Christmas week!

(Turn to page 30, please)

WB2WNZ/WB2SOR: Brother Joseph Tortorici is better known by the first of these two calls, WB2WNZ, which is the Amateur Radio club station at Don Bosco College in Newton, N.J.

Brother Joe was first introduced to ham radio in 1965 by Brother Pete Malloy, K3BWL, who was a student of philosophy at Don Bosco Seminary at that time and who is now in his 3rd year of theology and is operating portable/8 in Columbus, Ohio.

Brother Joe got his Novice ticket in 1965 and 6 months later received his General ticket and the call sign WB2SOR, (Scotch On Rocks). In December of 1968 he passed the exam for the Advanced class license. He is also an active member of Army MARS with the call sign AL2SOR.

IMRA first came to Brother Joe's notice in 1966 when he saw the International Mission Radio Association booth at the ARRL Hudson Division Hamfest in Tarrytown, N.Y. He got more information from "Perky", Evelyn Perkins, WA1DHK, and decided that the IMRA was just what he wanted to work with.

The club station, WB2WNZ, of which Brother Joe is Trustee, consists of an HW-100 and a homebrew amplifier. Also in operation is 6 and 2 meter gear. The antennas are on top of one of the buildings at the college and are up about 40 feet. The station has a Tri-band Mosely MP-33 and dipoles for 40 and 80 meters.



## CAN MULTI-BAND TRAP TYPE ANTENNAS PERFORM AS WELL AS SINGLE BAND DESIGNS?

The answer is an unqualified YES, provided the efficiency of the traps is high enough. This means that the coils and capacitors which make up the traps must be capable of very high Q, that the manufacturing processes must assure uniformity and precision, with all traps being tuned to exact frequency, and finally the mechanical design must result in a rugged assembly that will withstand years of exposure to all kinds of weather and climate. These qualities describe the Swan patented traps. Anything less than these requirements will lead to disappointing antenna performance, and total discouragement with trap type antennas. Unfortunately there have been some rather bad examples of the latter on the market, along with exaggerated claims about gain and front-to-back ratio.

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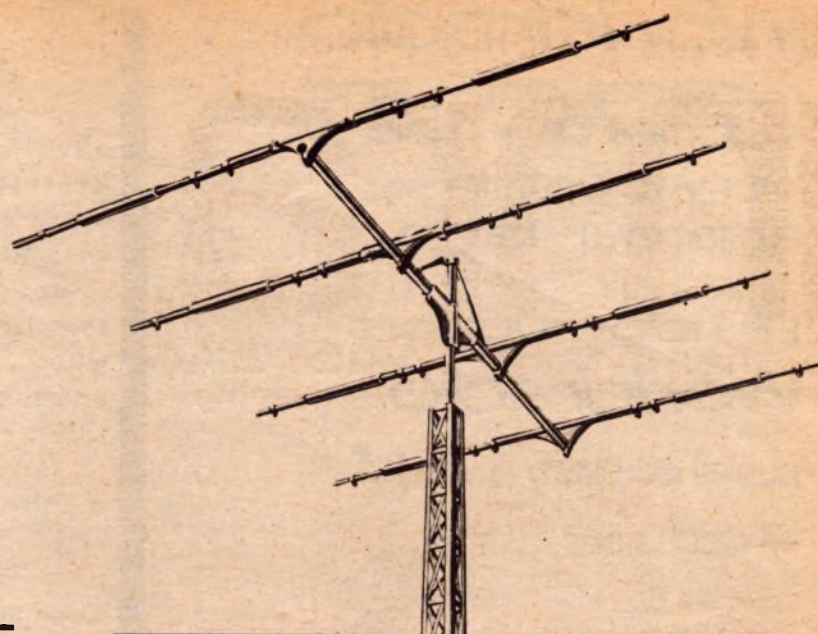
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3 Element Model TB-3 . . . . . \$94  
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2 Element Model TB-2 . . . . . \$79



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### HIGH PERFORMANCE TRAP VERTICAL

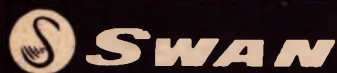
For 10, 15, 20, 40 meters with optional 75 meters add-on-kit.

Its low angle of radiation and omni-directional pattern make the Swan 1040-V trap vertical an outstanding performer. The small amount of space required for this antenna makes it the ideal choice when you just don't have room for a rotary beam. But, even if you have a beam, or horizontal doublet, for the complete station, it will complement your other systems, and with a quick select antenna switch give you a degree of flexibility you'll find indispensable.

The 1040-V can be installed at ground level or on a roof top, and comes complete with all necessary hardware and ground plane radials. The high Q patented traps have the same adjustable design as the Swan multiband beams. Precision factory tuning results in maximum radiation efficiency on each band, with low SWR across the entire band.

● **Power rating:** 2000 watts P.E.P. Requires 52 ohm coaxial feedline. Heavy duty mechanical design. Overall height: 23 ft.; with 75 meter kit: 28 ft. Wind survival rating: 100 mph. **Shipping Weight** 18½ lbs.

Model 1040-V . . . . . \$49  
75 Meter add-on-kit . . . . . \$29



## SWAN MULTIBAND ANTENNAS

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### SWAN TRIBAND BEAMS SPECIFICATIONS:

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	Forward Gain	Front to Back Ratio	Boom Length and Diameter	Longest Element	Turning Radius	Maximum Wind Survival	Wind Load @ 80 MPH	Wind Surface Area	Net Weight Assembled	Price
TB-4H	9 db Average	24-26 db	24' x 1½"	28' 10"	18' 6"	100 MPH	148 lbs	6 sq. ft.	54 lbs	\$129.00
TB-3H	8 db Average	20-22 db	16' x 1½"	28' 2"	16'	100 MPH	110 lbs	4 sq. ft.	44 lbs.	\$109.00
TB-3	7.5 db Average	20-22 db	14' x 1½"	28' 2"	14' 11"	80 MPH	100 lbs	3.8 sq. ft.	39 lbs.	\$ 94.00
TB-2	5 db Average	16-18 db	6½' x 1½"	27' 8"	14' 3"	80 MPH	60 lbs	1.8 sq. ft.	18 lbs.	\$ 79.00

Swan has earned its high reputation in the ham radio market by offering top quality equipment, with maximum performance and reliability at a most reasonable cost, backed up by the best customer service in the industry. The line of Swan antennas we now offer, of course, includes these same factors. We honestly believe that our antenna products are the best you can buy, or we wouldn't be offering them to you. The exclusive patented\* traps used in Swan antennas explain why they consistently give superior performance. The multiband trap vertical and triband beams described on these pages will deliver your signal to that distant point with a real punch. Ask any ham who is using a Swan antenna, or better yet, check his signal on the air.

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**Bob, K2PJJ**  
(from page 26)

Bob also asked that I write something about the late Bernie Howe. We all know that Bob and Bernie were at each other's throats for awhile, but it was insignificant. K2PJJ now says that he is sorry for arguing with Bernie and that Bernie was right in criticising when criticism was due. I will also add that Bob considers the author of this article to be a true friend also.

I suppose I could go on and on and mention a hundred different names which Bob has mentioned because so many of you who are reading this have done so much in accepting Bob into the net and making his life worthwhile. We can't mention everyone, but be assured you are remembered also. In conclusion we must never forget Bob's folks who have done so much to help. Mr. Suizzo passed away in November 1969 and Bob lives today with his widowed mother.

I hope that this article has helped bring Bob Suizzo a little closer to all of you. It is true that in times past he has become over-reactive and emotional on the air. He has sulked and showed annoyance, and Bob asks that you forgive and forget. He feels like a new man today. He is more comfortable since his recent hospital stay and you will notice that the QRMers can not get his goat any-

more. He is out to serve you and the net, and he asks for your continued support. He'll never ask for your sympathy but rather for your understanding. May we always hear the famous call of K2PJJ accompanied by the melodic strains of Jo-Jo pierce the 40 meter band.

(Editor's Note: Bob Suizzo, K2PJJ, was recently elected president of ECARS. In a field of four Bob won by a very wide margin over his nearest competitor)

**IMRA**

(from page 28)

WA1LES, Joe Chris, moved to a new QTH in Springfield, Mass. It is an apartment and he can not put up a visible antenna. Chris reports that his hair is beginning to stand straight up now that his indoor dipole runs right over his head.

WAØRIE, Father Paul Hart, spear-headed a fund drive to get a new rig for Sister Mary, WA5VBM. Enough contribution came in to get a Swan 270-B Cygnet for Sister as a gift for Christmas.

WB4PLS, Mike Davis, had to give up his Tuesday afternoon net control duties due to a change in his work shift. We miss you, Mike!

HR2RP, Ruth Paz, spent a month in the States for a medical check-up and shopping spree!

## SSTV Contest

2nd WORLD SSTV CONTEST  
Sponsored by cq elettronica magazine

cq elettronica magazine proposes the 2nd World Slow Scan Television Contest. The purpose of this contest is to promote increased interest in the SSTV mode of operation as used by Radio Amateurs.

RULES:

1) PERIOD OF CONTEST

1st 1500 - 2200 GMT Feb. 5th, 1972  
2nd 0700 - 1400 GMT Feb. 13th, 1972

2) BANDS

All authorized frequencies

3) MESSAGES

Exchange of picture and number of the message.

4) EXCHANGE POINTS

a) A two way contact with a station receives one point. (total points will be the number of individual stations contacted)

b) No extra points for the same station contacted on different bands.

c) A multiplier of 10 points for each continent and of 5 points for each country (ARRL list) worked is given.

5) SCORING

Total exchange points times the total of the multipliers.

6) LOGS

Log will contain: date, time in GMT, band, call sign, message number sent and received, points.

7) PRIZES

1st- A free 12 month subscription to cq elettronica magazine.

2nd-A free 6 month subscription to cq elettronica magazine.

3rd-A free 6 month subscription to cq elettronica magazine.

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8) All logs must be received by March 20th 1972. Send them to:

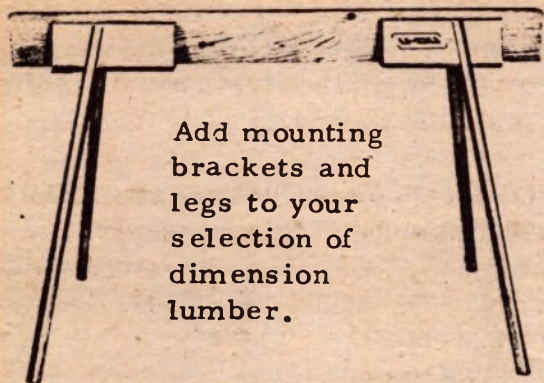
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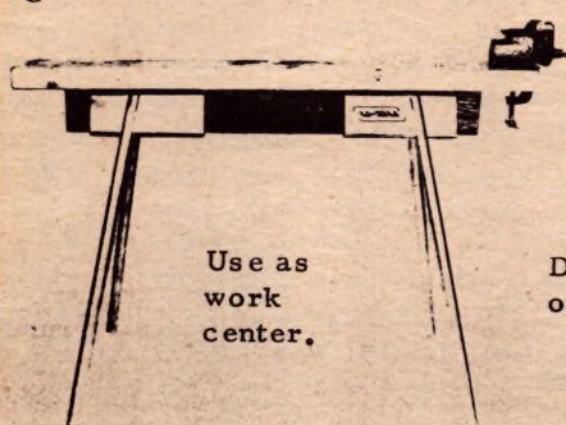
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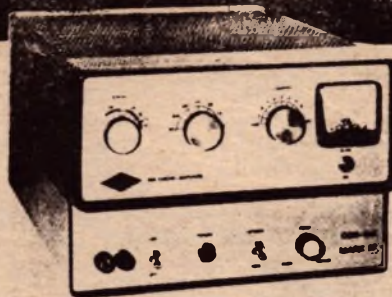
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We need your publicity sorely and hope you will keep plugging... Bob Zuiker, WA9VIR

Fresh, informative and interesting. Especially enjoyed the OH2BR story and the how to get rare QSLs article. Would like to see more similar to those - with a little personal touch and insight like you had... Dennis Scannell, WB6IXC

Your format is excellent and it has a mixture of national/international news that seems to be aimed at one primary goal: bringing all amateurs, and all people for that matter, closer together... Ron Vincent, WA7CGR

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# Worldradio

Amateur Radio's NEWSpaper

international circulation - 7 Feb. 1972 - 35 cents



Geoff Green, VS6DA

## Late News

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

Globe-trotting Darleen Souligny, WA6FSC, will arrive in Mexico City on January 27. She will be staying with Nellie Lazard, XE1CI. Then to Lima, Peru where she will be the guest of the Natan Sterental (O44OS) family. Darleen will go to Galapagos Island in mid-February. Using the rig of Forrest Nelson, HC8FN, (operator of the Hotel Galapagos) her call will possibly be O44AA. Other proposed stops will be Quito, Bogota, Panama City, San Jose, Managua, Guatemala City and Tegucigalpa. Darleen will now have operated on every continent within the past year and is issuing a special "WAC Darleen" award. Her QSL manager is Bud McKeen, VE6AKV, 7612 23rd St. S.E., Calgary, Alberta, Canada. For QSLs a SASE would be appreciated.

## Worldradio

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