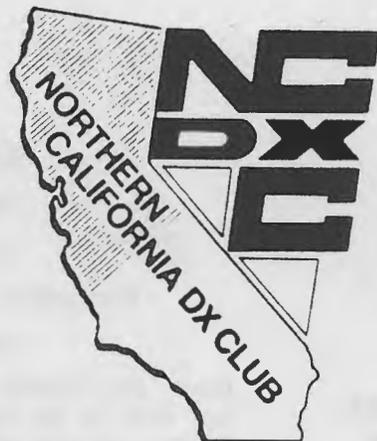


# THE



# DXer

April 1990

VOL XLIII - NUMBER 4

**FLASH !!**

**STOP THE PRESS !!**

**FLASH !!**

## **OH2BH TO ACTIVATE NEW DXCC COUNTRY !!**

Word arrived just as we were about to go to press that Martti Laine, OH2BH, will activate another new one very soon ! Details of the new one are being held very closely, but this reporter has determined that the upcoming new one is SEAL ROCKS, a group of small islands situated a few hundred feet off shore from the famed San Francisco Cliff House restaurant. New country status is expected to be approved by the DXAC based upon either Point 2 or Point 3 of the DXCC criteria, in view of the fact that Seal Rocks is sovereign territory of Finland. According to the new country petition, a copy of which has been obtained by the DXer, Martti Laine's great-great-great-great grandfather, Capt. Neibaur Laine, was on a whaling expedition in 1810 when he harpooned Seal Rocks during a heavy fog. Attempting to

*( Continued on page 6)*

## **NCDXC SIGNS HISTORIC "SORRY, DON COMPROMISE"**

### **BULLETIN : MENLO PARK, CA**

After two years of negotiating, an experienced NCDXF team of DXperts announced that the long-awaited "Sorry, Don Compromise" Agreement (SDCA) has been signed by NCDXC, the DXAC and TEBE (The Establishment Back East). When the agreement was announced in Northern California, DXers filled the two-meter Cat's Net with hussahs and cheers. When TEBE told Don Search about the agreement, he fainted. The historic agreement is named in that gentleman's honor.

Very briefly, the "Sorry, Don Compromise" does away with the ridiculous 225 mile open water limit for DXCC qualifications for the year 1992 in celebration of Columbus's voyage. For 1992 **ONLY**, the distance will be changed to 25 miles. This is a compromise for the benefit

*( Continued on page 6)*

The NCDXC DXer

April 1990

VOL XLIII - NUMBER 4

### April Events

- Apr 6-8 - **Visalia International DX Convention**
- Apr 7-8 - SP DX Contest
- Apr 8 - Yuri Gagarin Cup Contest
- Apr 21-22 - ARI International DX Contest
- Apr 28-29 - Swiss Helvetica Contest
- Apr 28-29 - Hispanic DX Contest



## MEETING NOTICE

There will be no NCDXC meeting in April, since most of us will be in Visalia for the International DX Convention. CU in Visalia !! Stay tuned for details on the May meeting.

## VISALIA DX CONVENTION

**The 1990 International DX Convention is scheduled for April 6, 7, 8. See elsewhere in this issue for the latest news release for Visalia !!!**

*Gary Pesselt, WB6PSY for the SCDXC*

## VE TESTS AFTER VISALIA DX CONVENTION

VE testing for Amateur licenses will be held after the 1990 International DX Convention according to the following schedule:

Kings County Government Center  
Multi-Purpose Room  
1400 W. Lacey Blvd.  
Hanford, CA  
Starting Time :12 Noon -- 1:00 PM

Unlicensed thru Extra Class

Walk-ins Only !!!

Talk-in on 145.11 (-)

For further info, contact Carleton at  
(209) - 9244221

Once the Visalia convention gets you all stoked up, this is an excellent chance to upgrade !! Further details on this test session may also be obtained from Gordon, W6 NLG.

de Gordon, W6NLG

## DXAC NEWS

The hottest news this month is the recent announcement that Walvis Bay has been accepted by the ARRL Awards Committee as a new DXCC country, with an effective date of September 1, 1977, when administration of Walvis Bay was transferred from South West Africa (now Namibia) to the Cape province of the Republic of South Africa. Any of you old-timers who missed the ZS2IS operation of a few months ago should check your files -- if you have an old Walvis Bay card meeting the data restrictions, you're in !! QSL's will be accepted by HQ on or after June 1.

*73's de Jim Maxwell, W6CF*

## MALICIOUS INTERFERENCE

There has been a new development on the subject of malicious interference. Surely no active DXer is unaware of the chaos and the shameful behavior which occurred during the recent 3Y5X operation. That sad episode in the history of DXing has been discussed extensively at meetings, over the air and in various bulletins. It was the subject of an editorial in the March issue of QST.

As for the new development, a meeting of the Executive Committee of the ARRL took place in Virginia on March 10, 1990. The Executive Committee administers the affairs of the ARRL between meetings of the Board of Directors, which takes place twice per year. The committee presently consists of the ARRL President (W4RA), First Vice President (W4OYI), Executive Vice President (K1ZZ) and four Directors (W4RH, WA2DHF, AG0X, W3ABC). The President was not able to attend the meeting due to a family health problem, so the First Vice President was in charge.

At that March 10 meeting, a searching discussion took place regarding the 3Y5X operation and the malicious interference which accompanied it.

The members of the Executive Committee realize, of course, that the problem of malicious interference is world-wide. Still, DXCC is the single most popular DX program throughout the world, so the ARRL is in the position of being the sponsor of a program which at times seems to bring out the worst in amateur radio rather than the best. Irresponsible on-the-air behavior has been used against amateur radio at international conferences in the past, and the Executive Committee is very deeply concerned that such behavior could harm amateur radio's position at the next WARC.

Some of those attending the March 10 meeting believed that operating practices used by the 3Y5X gang contributed to the problem. For example, some 3Y5X operators announced they would be listening over a certain range of frequencies, even though they were actually listening over another. This practice surely reduced the QRM on the frequencies they were working, but at the same time it increased the amount of spectrum wiped out by the pileup and increased the level of confusion, frustration and anger among both DXers and non-DXers alike.

Following the discussions, Director Mendelsohn, WA2DHF, made the following motion, which was passed by the Executive Committee :

After discussion of the operating concerns that had been addressed in the March QST editorial, on motion of Mr. Mendelsohn, the DX Advisory Committee was requested to research and recommend disqualification criteria for DXpeditions.

In my own view, the motion addresses only part of the problem. Also, it isn't clear that a rule can even be written which is fair and enforceable. Still, the Executive Committee is obviously very concerned and is seeking to act in a responsible manner, taking into account the interests of the entire amateur community, and they believe their action is a necessary step in the process of working the problem.

It is a very serious matter !!

I urge you all to think very carefully about the issues involved here, and to write to the DXAC -- ideas are needed, and every one of you can help.

*73's de Jim Maxwell, W6CF*

## MORE on 3Y5X FLASCO.....

I have read in various ham radio publications many of the comments of hopeful DXers generally describing the disreputable conduct witnessed during the recent 3Y5X DXpedition. I too observed some of these incidents. I listened, but did not call 3Y5X, knowing my 100 watts and vertical were no match for the pileup. I am saddened for the loss of reputation of the ham radio fraternity. I wonder if there is a better way to conduct these activities? But, alas, I don't have the solution.

I do have a suggestion that I would like to pass along to the readers of the DXer.

While listening to the NCDXC repeater, shortly after the 3Y DXpedition, there was a discussion about the large number of operators in the pileups who were operating split and calling on the wrong VFO (right on top of the DX station). This is an unfortunate situation, often occurring in the heat of the pileup, and quite unwittingly by the operator (I've done it myself).

Here is a solution to that problem: Most modern transceivers have split and general coverage receiver capability. I use the ICOM 751A. If the operator would select the GENERAL COVERAGE receiver mode for the VFO he has tuned to the DXpedition, and normal TRANSCIVE mode for the transmitting VFO, then if he inadvertently attempts to transmit on the wrong VFO, no interfering transmissions will occur on the transmitting frequency of the DXpedition.

Not a revolutionary idea, but perhaps useful.

*de Jerry Bliss, K6SMH*



## RUSTY'S RAMBLINGS

Seattle is going to be the host city for the 1990 Goodwill Games from July 20th until August 5th. The Goodwill Games, or GWG, is the brainchild of TV mogul Ted Turner. It's sort of like a mid-term, mini-Olympics. Sure, the world's best gymnasts, swimmers, wrestlers and stars of

track and field all will be there. But, since these games are intended to promote people to people interaction and understanding as much as athletic competition, there also will be a major emphasis on arts and cultural events. On people getting to know each other. And on amateur radio. Amateur radio??

That's right! A group of Seattle area hams began lobbying the GWG Organizing Committee a couple of years ago to include an amateur radio competition as an integral part of the Games. They succeeded beyond their wildest dreams! The fruits of their labor promise to be a lot of fun. They also will be a publicity bonanza for amateur radio because the games will enjoy worldwide television coverage with a viewing audience of millions.

The amateur radio operating event will be on Friday, July 20th. It's a ten hour, Sprint-like event in which two person teams compete as multi-single entries. At the time I'm writing this article, it looks like there already are four teams entered from the USA, four from the Soviet Union, and one each from Finland, Sweden, Hungary, Czechoslovakia, Yugoslavia, Canada, Italy, Spain, Brazil and Japan. There will be others by the time the entry deadline arrives. Each team will be located at a station in the Seattle area and equipped with comparable 500 watt radios, tribanders and wire antennas. All the operators are well known DXers and contesters -- the cream of the crop. There are some novel and interesting twists on the way the event will be operated and judged, and I'll try to go into more detail about all that in a later issue of "The DXer."

It strikes me as I sit here looking at the list of teams coming to the Games that this will be a first trip to the USA for most of the operators. Indeed, for the Soviet and Eastern European teams, it might well be the first time those individuals ever have been out of their own countries. What a wonderful experience this will be for them! But why doesn't NCDXC do a few things to make it even more exciting and memorable? The GWG Committee has arranged for all the competitors to get on a bus early Saturday morning (just a few hours after the competition ends) to go to the Pacific Northwest DX Convention in Portland on July 21st and 22nd.

Why don't a bunch of us go there too? I'll bet we can get a group charter out of one of the Bay Area airports at a reasonable rate if we'll just do a bit of planning. It's a great convention to begin with, and what a "high" it will be to meet all the

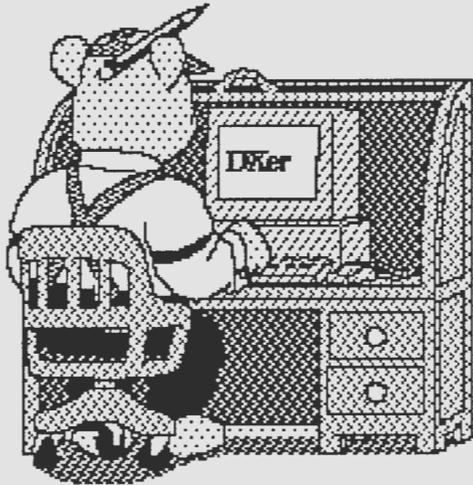
operators whom we will have worked just the day before and who will have been the subject of worldwide television coverage of this first-of-its-kind event. The winners of the competition will be announced at the close of the Convention Sunday afternoon, so we'll be there for all the excitement of the awards ceremony. And I hear the Portland hams are staging a huge picnic immediately following the close of the Convention where we can rub shoulders with all the international visitors.

But let's do even more. Why don't we invite these folks to come to San Francisco after the festivities end in Seattle? After all, we do have this planet's greatest City (and its greatest DX Club!). If they were dazzled by Seattle and Portland, just think what we can do! We can play tour guide for them during the day, and arrange a series of evening get-togethers at various locations around the Bay Area where all of us could mix and mingle? Wouldn't it be fun and interesting to meet these outstanding amateurs in a setting where we could get to know and learn from each other? And would not our efforts send these folks home with great memories of Northern California and the NCDXC and a reason to work W6s whenever the band is open?

Yes, I realize what I'm proposing will take a lot of work. In fact, an awful lot of work! It will be an undertaking very different from anything the NCDXC has done before. But I also think we have a singular opportunity to participate in something really special. I believe the event in Seattle will be a unique "happening" in the history of amateur radio. I hope our collective imaginations will rise to the challenge and that we will not fail to take advantage of the occasion. We can make it as fun, as exciting and as memorable for us as it will be for them. All we have to do is ... do it.

Please let me know what you think. Does any of this make sense? Are you willing to get involved yourself? What ideas and suggestions do you have? I urge each of you to ponder this for a few days then drop me a note with your thoughts. Or see me at Visalia or at the next club meeting or call me on the telephone and let's talk. My address is 651 Handley Trail, Redwood City, CA 94062; phone (415) 365-5918. Can't you just imagine eight Soviet hams climbing back aboard their chartered Aeroflot jet in Seattle and telling all those jocks what a visit to the USA is really like!

*73's de Rusty, W6OAT*



## BOB'S BABBLINGS

It's that time of year again !! The International DX Convention at Visalia is uponst us, and it promises to be the best one yet ! I'm looking forward to seeing all of you there. The latest and greatest info on what we can expect is contained in a news release later in this issue.

A DXpedition to Jarvis Island is planned for April 14-23. Martti, OH2BH, has provided us with background and further info on Jarvis for this issue. Good luck in the pile-ups !!

We also have a few surprises in this month's issue for your reading enjoyment -- hope you enjoy them ! See y'all in Visalia !

*Best of 73's de Bob, K4UVT, NCDXC Editor*



## March BOD Meeting

The March 9, 1990 meeting of the NCDXC Board of Directors was called to order at 6:50 by W6OAT. KG6GF, K6MA, AA6G and W6OAT were present.

### Items:

1. W6OAT stressed the need to find a chairperson for the 1991 Visalia DX Convention. So far, no volunteers have come forward for the task.

2. The Board reviewed the nomination of Jacky Calvo, F2CW, for Honorary Membership in the NCDXC, and unanimously voted to recommend approval of the nomination to the full club membership.

3. Harry, KX6C, was successful in reserving the Stanford Faculty Club for an NCDXC Christmas Party on Thursday night, December 13, 1990.

4. There will be no NCDXC meeting in April because of the DX Convention in Visalia.

The meeting adjourned at 7:10 p.m.

## March 1990 NCDXC Meeting

The March 9, 1990 meeting of the NCDXC was called to order by W6OAT at 8:30 p.m.

### Items:

1. Minutes of the last meeting and the Treasurer's report were accepted as published in The DXer. Guests were introduced.

2. Bob, K4UVT was given a round of applause in recognition of his work on The DXer. Bob then presented preliminary results of NCDXC's efforts in the ARRL DX Contest and urged everyone who participated to be sure to get their scores to the ARRL. Copies of summary sheets should be sent to Ace, N3AHA who will tabulate a listing for The DXer.

3. First readings were had for:

- Dan Collins, K6BZS;
- Mike McEvoy, N6OBX; and
- Ken Swanson, N6SYP.

4. Second readings were had for:

- C. W. Chandler, W7LDJ and
- Jim Pratt, N6IG

and both were voted into membership. The second reading for Dave Armstrong, AA6PI was postponed until the May meeting because neither of his sponsors was present at the meeting as required by the By-Laws.

5. The membership of Carlyle Norman, K6QW, was reinstated.

6. The nomination of Jacky Calvo, F2CW, for Honorary Membership was accepted by a unanimous vote.

7. Dave, KI6WF, reported on the exploits of NCDXC'er AA6LF who, along with his wife and daughter, have departed aboard their sailboat for

a jaunt through the Pacific. The first leg of their voyage is from San Francisco to French Polynesia. So far, they have made it to about the latitude of southern Baja California, but the trip has not been without its share of seasickness and Murphy strikes.

8. There will not be an NCDXC meeting in April because of the Visalia DX Convention.

9. Bruno, AA6AD and Chuck, AA6G presented the evening's program entitled "Astronomy -- My Other Hobby." In addition to some interesting (and astounding) facts about our universe, they also shared with us some magnificent slides of stellar objects which they and Gary, WB6EXW had taken.

The meeting adjourned at 10:30 p.m.

*de Rusty, W6OAT*

## " SORRY, DON....."

*( Continued from Page 1 )*

of two groups : One group, the fun-loving group, has worked 'em all and needs something to chase. The other group consists of those negative, scurrilous souls who spend all their time thinking up reasons to delete countries.

It is understood that many new countries may be approved under the "Sorry, Don Compromise" during 1992. In order to keep things sorted out and under control, NCDXF extracted from DXAC and TEBE several concessions and requirements which will have to be met by DXpeditions to new islands which may qualify. These requirements are:

- 1) All planned DXpeditions must first register with Don before going to the island. One DXped per island --- First come first serve.
- 2) No DXer who has ever gone on a DXped before will be registered.
- 3) DXpeditioners must pay all their own travel and other expenses and take their own equipment.
- 4) Absolutely no pre-DXped press announcements or other hype. Just show up and operate.
- 5) Turn in all QSL contributions to your local club treasury and QSL via the Buro.
- 6) QSLs will carry only DXped call and the QSO facts. No commercials.

7) Limit of no more than 35 operators and/or 19 complete stations per DXpedition

8) Wear native garb only. No T-shirts or baseball caps.

9) No lists, no secret frequencies.

10) No QSLs at all to anyone working the DXped more than ten times per band.

It is expected that some of these rules may inhibit some of the presently more accepted DXped operation practices. But it will only last a year, then back to the way it is now.

In order to obtain this "Sorry, Don Compromise", NCDXC negotiators had to concede to DXAC and TEBE that the Wonderful World on Expanded DX fun would last only during Columbus's year. After 1992, all new "25-mile countries" will be deleted and DXAC will get their archaic 225 mile rule back in place again.

But just think what NCDXC did for you. Before 1992 you were probably a nothing at about 243/259. In 1992 you may jump to 405/259. And in 1993 you will be 243/421 !! Now you are SOMEBODY !!

Please send comments to your DXAC person.

*Mni tnx to NCDXC Roving Reporter*

## OH2BH -- NEW ONE.....

*( Continued from Page 1 )*

reel in the "whale", Laine became shipwrecked, and claimed the rocks for Finland during his three-week stay on the slippery prominences. This claim has lain forgotten for nearly two centuries, until Martti, OH2BH, laid claim to the rocks once more for Finland earlier this year. Watch the pages of the DXer for more late-breaking news on this exciting new development in DX !

*de the NCDXC "Super-Spy"*



## de Lloyd and Iris

*(The DX'er Editor recently received the following letter, dated 28 February 1990, from the globe-trotting Colvins. This letter comes to us from New Zealand)*

Dear Friends,

We have just completed our DXpedition as ZLOAKH in New Zealand, with over 6,000 QSOs with radio amateurs in 137 countries, on 10, 15, 20 and 40 meters.

We operated at the QTHs of ZL1AMO, ZL1BQD and ZL1BMU, using their antennas and our equipment. Other hams joined in making our operation successful and very enjoyable.

We received our licenses before we arrived in New Zealand. Not many countries will issue licenses before arrival in the country, but it is a big help to the visiting radio amateur.

We operated in Australia, previously, and found that both countries use identical electric plugs. We wish that all countries did.

We were surprised to learn that New Zealand is only about 1,000 miles from the South Pole, making it one of the most southerly countries from which we have operated.

We go next to Tahiti on our present trip around the world.

*73's de Lloyd, W6KG and Iris, W6QL*

## PACKET RADIO TVI

My 45 watt 2-meter packet radio was causing bad TVI to my own TV, and a neighbors. 144 MHz is right between channel 6 and 7, so front-end overload was suspected. Thanks to a tip from Chuck, AA6G, I contacted:

Microwave Filter Co.

6743 Kinne Street

E. Syracuse, NY 13057

(800) 448-1666

and ordered part no. 5KMT-A/H. This is a cable TV filter, designed to attenuate cable TV channels A to H (121.25 to 163.25 MHz) by 50 db,

without affecting other channels. It's designed to work at the input to the TV or VCR, using 75 ohm coax. The filter is a rugged metal cylinder, about 4-1/2 inches long and 3/4-inches in diameter, with a male F-connector on one end and a female F-connector on the other. Cost is \$13.95 plus shipping. I charged it to my VISA card, and it arrived within 3 days. It instantly removed all traces of packet radio 2-meter TVI from both TV receivers.

*73's de Bob N6TV*

## ALBANIA Starting to open up

.....

An article by Associated Press in a recent issue of the San Francisco Chronicle indicated that Albania has opened direct telephone service with the West, and thereby lifting some of the restrictions that have helped keep Albania one of the world's most isolated countries.

The service was inaugurated on March 20, 1990 with 56 Western countries, including the United States, Canada, Britain and France, according to the Albanian Telegraph Agency in the capital city of Tirana. But a representative of AT&T says direct service from the USA is not quite ready yet, due to financial and technical questions.

Albania, with a population of 3.2 million, is the last stronghold of Stalinist isolation in Europe, and has followed orthodox Marxist-Leninist policy since the Communist takeover in 1944. But there are increasing signs of opening up to the West under President Ramiz Alia, who took over after the death of Enver Hoxha in 1985.

*TNX to Rubin, WA6AHF*

## 25 YEARS AGO .....

April 1965 in the NCDXC .....

Meeting was held at Taddys Steak House. Both Pres. Ron Panton, W6CBE and VP Curt Roche, W6ZMW were absent, so Secy-Treas. Ray Eichman WA6IVM appointed Rich Wilde K6OHJ to preside. Guests were WB6LFO and W6CUB. Joe Reisert WA6TGY was appointed chairman of NCDXC Convention activities at up-coming Division Convention in San Jose. WA6IVM showed slides of Japan.

DXpedition to CE0XA San Felix -- new DXCC country coming for 7 days.

On the air---UG7DL, XT2HH, 9U51B, ZL4JF,  
Campbell Island, CR5AJ, EP2RC, EP2RV.

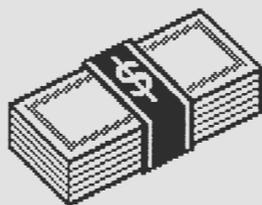
Meeting adjourned at 11:07 PM.

de Jack Troster, W6ISQ

(Home): (408)-9279921

NW6P

(Office): (408)-9968766



### Treasurer's Report

Mar 1 to Mar 31, 1990

#### Checking Account Activity

Feb. 1990 E.O.M. Balance	\$4,021.89
Deposits from Dues	\$34.00
Other Receipts	\$441.00
Subtotal	\$4,496.89
Accounts Payable	\$837.89
Current March 31 E.O.M. Balance	\$3,659.00

#### Savings Account Status

Bank of America, as of 03/20/90	\$12,664.38
Includes QSL Reserves	
American Savings, as of 03/24/90	\$8,555.82
One year C.D. @ 8.65% matures 7/24/90	

#### Repeater Fund

Balance as of 02/28/90	\$1904.41
------------------------	-----------

de Stan Kuhl, K6MA, NCDXC Treasurer

### ROSTER CHANGES

Please make the following changes to your  
NCDXC rosters :

KD6AZ

8620 W. Fair Oaks Road

Tracy, CA 95376

(Home): (209)-8322488

(Office): (415)-6834693

WA6O

6140 Meridian Avenue

San Jose, CA 95120

### WA6AHF-New Repeater Chairman

President Rusti Epz, W6OTE, has just announced that Rubeen, WA6AHF, has been appointed repeater chairman, effective immediately. Rubeen, when asked to comment on his new appointment, was strangely silent.

### Sea Surface May Follow Solar Tune

Can the solar cycle - a minute waxing and waning of the sun's energy output - affect the frequency of monsoons in India, droughts in the U.S. Midwest or frigid weather at the North Pole? Since the last century, many scientists have faced ridicule for proposing such relationships. But in the last two years, several researchers have won a respectful audience by finding new statistical links between the solar cycle and weather here on Earth (Science News: 5/14/88, p. 310). Using a similar approach, an oceanographer has now identified an intriguing correlation between the solar cycle and ocean temperatures.

Tim P. Barnett of the Scripps Institute of Oceanography in La Jolla, CA., examined sea-surface temperatures in the tropics, going back to the late 1800s. In analyzing these data, he concentrated on quasi-biennial variations - any temperature changes that went through a cycle lasting approximately two years. Other researchers who recently found statistically strong relationships between the solar cycle and weather have analyzed their data according to a quasi-biennial oscillation in atmospheric winds.

When Barnett filtered out all temperature variations except those with periods of 20 to 30 months, he found the strength of these quasi-biennial variations did not remain constant. They appeared to go through an 11-year cycle: Every 11 years, the tropical oceans experienced strong temperature swings with a period of about two years.

Eleven years corresponds to the average length of the solar cycle, so Barnett compared the quasi-biennial temperature variations with the historical records of solar cycles. To his surprise, he discovered the two have swung

nearly in unison through six cycles from the 1920s to the present. The largest swings occurred when the solar energy output reached its 11-year low point. "the agreement appears remarkable", Barnett reports in the August Geophysical Research Letters.

Despite the correlation, Barnett says he remains extremely skeptical. If he looks farther back in time, the match between solar cycle and ocean temperatures dies out between 1900 and 1920. Such a mismatch need not kill the proposed connection : it might just reflect a period when the solar cycle was too weak to exert much control over sea temperatures. The biggest problem, says Barnett, is that no one has discovered a physical mechanism by which minute changes in the sun can drive large shifts on Earth. Until scientists do, the match between solar cycle and weather remains no more than an interesting bit of statistics.

de Mark, NT6G, from SCIENCE NEWS, Sept.2, 1989, p. 159.



**DX-PROVEN MOUNTAIN QTH FOR SALE**

**W6TPH's Georgetown, CA QTH  
276 Countries -- 5BDXCC**

Beautiful little 3 BR 1-1/2 bath home situated on 3+ acres just outside of Georgetown, CA (midway between Auburn and Placerville). Lots of deck on two sides of the house. Fireplace with firebox insert. Home is Air Conditioned. Separate 2-car garage. The immediate area around the house is fenced for an ideal pet yard. Has City water and power and septic tank. 30 ft tower mounts TV antenna and rotator.

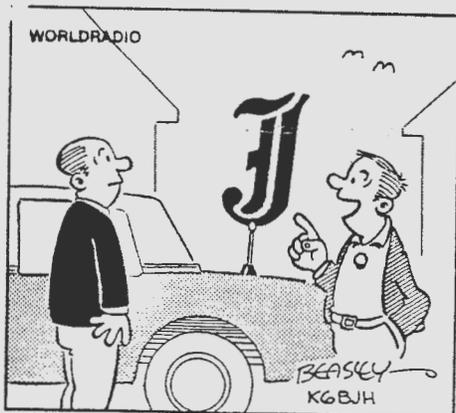
**This home INCLUDES a 4-ELEMENT TRI-BAND CUBICAL QUAD on a TRI-EX LM354 CRANK-UP TOWER.**

Lot contains many, many 100-ft tall trees, ideal for wire antennas of any sort. The nearest neighbor is 5 acres away !! Quiet RF area - great low band conditions -- hear 'em before the flatlanders do !!

**ASKING \$130,000**

Contact Bill Zachman, W6TPH, at (408)-2939907 or Virgil Kasiyah at Cal-Dorado Realty, Georgetown, CA, (916)-3334838.

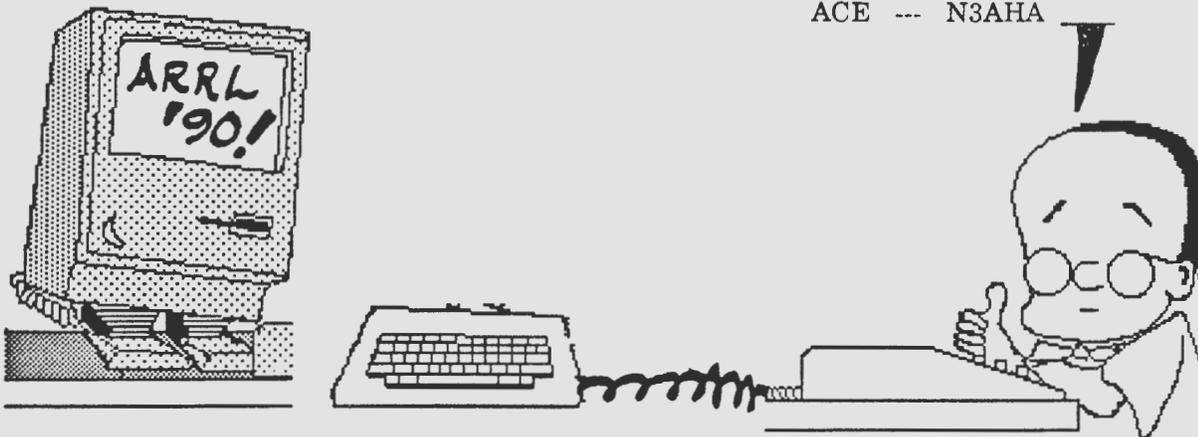
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TNX FER ARRL REPORTS !!

ACE --- N3AHA



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**DX'er STAFF**

Editor: Bob Dorsey, K4UVT  
Production: Ron Panton, W6VG  
DX Ladder: Larry Bloom, KD6XY  
Data Base: Martin Oppenheimer, KB6BW  
Send DX'er contributions to:  
Bob Dorsey  
P. O. Box 61733  
Sunnyvale, CA 94088  
-or- via PacketCluster  
Send DX ladder reports to:  
Larry Bloom  
2520 Heather Lane  
San Bruno, CA 94066

**NCDXC REPEATER W6TI/R**

Output 147.36 Mhz, Input 147.96 Mhz  
Trustee: Bob Vallio, W6RGG  
Repeater Committee Chairman:  
Smitty Smithwick, W6JZU  
Suggested simplex freq.: 147.54 Mhz

**NCDXC THURSDAY NIGHT NET**

On W6TI/R Thursday at 8:00 PM local time.  
Operations Manager: Ralph Hunt, AG6Q  
DX News: Bob Artigo, KN6J  
Propagation: Al Lotze, W6RQ  
Contest News: Rich Hudgins, WX6M  
Westlink: Dave Bottom, KD6AZ  
Swap Shop: Ben Deovlet, W6FDU  
933 Robin Lane  
Campbell, CA, 95008  
408/374-0372  
QSL Information: Mac McHenry, W6BSY

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Mar. 13, 1990

## 41st ANNUAL INTERNATIONAL DX CONVENTION

APRIL 6-8, 1990

HOLIDAY INN, VISALIA, CALIFORNIA

Friday night we will have LLOYD, W6KG, and Iris, W6QL, giving a slide show on their recent trip around the world. Next is a welcoming cocktail party hosted by The DX Bulletin and the Southern California DX Club. RTTY DXers will be holding a dinner, DX Packet cluster folks will be hosting a dinner and anyone else makes their own plans.

Saturday: Tuvalu - Pete - K6EDV - DXpedition  
DXing by satellites - John Fail - KL7GRF  
Russian Dxers - Jack Bock - K7CK  
Propagation - Shel Shallon - W6EL  
Contest forum - Marty Woll - N6VI, N6TJ, N6AA...  
ARRL / DX Forum - Bill Mausey, W6RT; Jim Raferty, N6RJ; Don Search, W3AZD; plus others...

Ladies luncheon on Sat. from 12 - 1:30 will feature a local string quartet plus prizes. Cost of the luncheon will be \$9, on sale at the convention.

Poolside Henry Radio sponsored cocktail party

SATURDAY NIGHT BANQUET WITH FEATURED SPEAKER - LALEE - BOUVET

Presentation of awards (CQ Contest Hall of Fame), club awards.

Sunday: Buffet Breakfast...  
Marti, OH2BH, and Chip, K7JA - East meets West in a shrinking world featuring 4J1FS...plus surprise.. and if time permits: Jacky, F2CW and Sylvio, F6EEM - Maldives.  
Drawing for prizes:

Prizes include: Henry Amplifier, 3KD Classic, Icom 735, Kenwood TS-950, 500 feet coax, Miniprop, Kenwood handhelds, N6RJ computerized 2nd OP, Digital Voice Keyer by A&A Engineering, Cushcraft Yagi, subscriptions to The DX Bulletin, W6GO list, plus many more...

Pre-registration is \$40. After March 23 the price is \$45. Make your checks payable to "International DX Convention". Mail to:  
Don Bostrom, N6IC; 4447 Atol Av; Sherman Oaks, CA 91423.

Local hotels are filled. All programs are subject to last minute changes. For further information contact Co-chairman Frank Cuevas, W6AOA, 213-452-9036.

73,

Don Minkoff - NK6A  
213-306-8000 days , 213-397-2984

1990 ARRL INTERNATIONAL DX CONTEST RESULTS

CW

SINGLE OPERATOR - NOT ASSISTED

<u>CALL</u>	<u>QSOs</u>	<u>MULTs</u>	<u>TOTAL SCORE</u>	<u>POWER</u>	<u>BAND</u>
N6TV	1,321	273	1,081,899	OVER 200	
N6EK	881	180	475,740	OVER 200	
K6HIH	600	133	239,400	OVER 200	
K6DR	449	145	195,315	OVER 200	
W6NKR	399	157	187,929	OVER 200	
N6AN	354	134	142,308	OVER 200	
KA6BIM	291	152	132,696	OVER 200	
K6ZUR	317	109	103,659	OVER 200	
W6GO	232	118	82,128	OVER 200	
K6CXT	238	98	69,972	OVER 200	
N6JM	174	91	47,502	11-200	
K6SMH	200	72	43,200	11-200	
AA6KX	201	60	36,180	OVER 200	14
W6FGD	88	46	12,144	OVER 200	
W6YVK/7	113	30	11,170	QRP < 5W	***

SINGLE OPERATOR - ASSISTED

<u>CALL</u>	<u>QSOs</u>	<u>MULTs</u>	<u>TOTAL SCORE</u>	<u>POWER</u>	
WZ6Z	911	284	776,172	OVER 200	
AA6PG	@ 932	@ 220	@ 600,000	OVER 200	
W6BIP	593	229	407,391	OVER 200	
K6MA	445	200	267,000	OVER 200	
W6BSY	439	87	114,579	OVER 200	21
K6FO	288	115	99,360	11-200	
AI6L	182	137	74,802	OVER 200	
W6ERS	145	145	63,063	OVER 200	
WX6M	189	109	61,803	OVER 200	
W6OAT	146	126	55,188	OVER 200	
W6JD	176	93	49,104	OVER 200	
N3AHA	224	68	45,696	OVER 200	
WG6P	129	81	31,347	OVER 200	
KE6OT	88	81	21,384	11-200	
KG6MY	67	59	11,859		
K6SYL	68	49	9,996	11-200	
KJ6LD	56	46	7,728	OVER 200	
NT6G	48	46	6,624	OVER 200	
W6MZQ	64	33	6,336	11-200	

MULTI OPERATOR

SINGLE TRANSMITTER

<u>CALL</u>	<u>QSOs</u>	<u>MULTs</u>	<u>TOTAL SCORE</u>	<u>POWER</u>
KG6GF	1,118	335	1,123,590	OVER 200+AA6Z,WA6HAT,W6CI
ZLOAKH	761	158	360,714	OVER 200 W6KG,W6QL ***

MULTI OPERATOR

TWO TRANSMITTERS

<u>CALL</u>	<u>QSOs</u>	<u>MULTs</u>	<u>TOTAL SCORE</u>	<u>POWER</u>
K6ZM	595	179	319,515	OVER 200
N6RO	@ 3,368	@ 459	@ 4,637,736	OVER 200

TOTAL CW CLUB SCORE @ 11,640,345

@ = Claimed Score - all summary sheets have not been received  
 \*\*\* = Does not count for club score because of distance.

1990 ARRL INTERNATIONAL DX CONTEST RESULTS

SSB

SINGLE OPERATOR - NOT ASSISTED

CALL	QSOs	MULTs	TOTAL SCORE	POWER	
K6HNZ	1,378	275	1,136,850	OVER 200	
KG6GF	1,194	307	1,099,674	OVER 200	
KA6BIM	788	237	560,268	OVER 200	
KB6GV	601	214	385,842	OVER 200	
K6CXT	537	202	325,422	OVER 200	
K5GOE	624	260	486,720	OVER 200	***
N6GG	489	202	296,334	OVER 200	
K6DR	413	159	197,001	OVER 200	
N6JM	305	132	120,780	11-200	
K6HIH	339	117	118,989	OVER 200	
W6FGD	204	93	56,916	OVER 200	
WD6EKR	277	67	55,677	11-200	28
W6YWH	157	100	47,100	OVER 200	
KG6XF	183	85	46,665	OVER 200	
W6RVS	187	82	46,002	OVER 200	
W6YVK/7	179	54	28,998	QRP < 5W	***
K6ZUR	122	70	25,620	11-200	
K6SMH	103	35	10,815	11-200	
W6NKR	10	7	210	OVER 200	28

SINGLE OPERATOR - ASSISTED

CALL	QSOs	MULTs	TOTAL SCORE	POWER	
WZ6Z	1,349	315	1,274,805	OVER 200	
WX6M	899	231	623,007	OVER 200	
K6ITL	625	202	378,750	OVER 200	
K6MA	524	217	341,124	OVER 200	
W6BIP	466	224	313,152	OVER 200	
K6PU	822	103	253,998	OVER 200	28
WB6GFJ	422	154	194,502	OVER 200	
NB6L	367	154	169,092	OVER 200	
W6ERS			166,266	OVER 200	
W6OAT	209	158	99,066	OVER 200	
N3AHA	270	120	97,200	11-200	
KG6MY	181	128	68,736	OVER 200	
KE6OT	150	137	61,650	11-200	
KJ6LD	154	120	55,440	OVER 200	
AI6L	166	108	53,784	OVER 200	
NT6G	55	52	8,580	OVER 200	

MULTI OPERATOR

SINGLE TRANSMITTER

CALL	QSOs	MULTs	TOTAL SCORE	POWER	
WG6P	1,079	280	906,360	OVER 200	
K6ZM	479	181	260,097	OVER 200	+NP4IX
FO0XXL	492	98	144,648	11-200	W6KG,W6QL ***
N6ITY	25	24	1,800	OVER 200	

MULTI OPERATOR

MULTI TRANSMITTER

CALL	QSOs	MULTs	TOTAL SCORE	POWER	
WA6AHF	1,018	263	803,202	OVER 200	+W6BSY

TOTAL SSB CLUB SCORE @ 10,660,776

TOTAL CW CLUB SCORE @ 11,640,345

TOTAL CW/SSB CLUB SCORE @ 22,301,121

@ = Claimed score - all summary sheets have not been received

\*\*\* = Does not count for club score because of distance

Summary sheets received as of 1 April 1990

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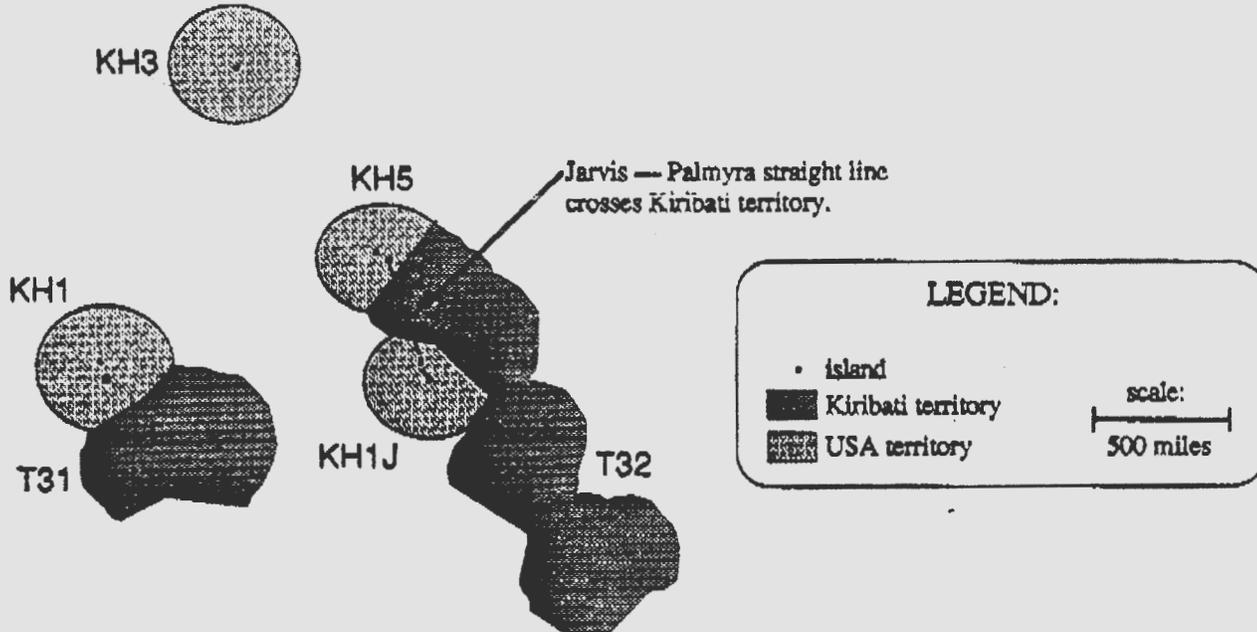
## DXpedition to Jarvis Island — a new DXCC country 1990 April 14-23

### Introducing the QTH: Jarvis Island

Jarvis Island was annexed by the United States in 1853. It lies only a short distance from the Equator, south of Hawaii. Jarvis is a flat coral island covering about 2 square kilometers of area. There is no population, although a small settlement existed before World War II.

Today, Jarvis, along with Howland and Baker Islands, are administered directly by the US government's Fish and Wildlife Service. These three islands are not part of any state, commonwealth, or US trust territory. These areas are wildlife refuges. Entry to these islands is strictly forbidden unless special permission has been obtained from the US Fish and Wildlife Service. For this reason, the FCC has allocated the KH1 callsign prefix to these three islands. (A Fish & Wildlife Service employee will accompany this DXpedition.)

Jarvis Island is separated from other parts of the United States by intervening sovereign territory of other countries.



The closest US land is Palmyra Island (part of the state of Hawaii). However, no straight line can be drawn between Jarvis and Palmyra without crossing the sovereign territory of Kiribati (as defined under the Maritime Zones Declaration Act of 1983 May 13). Kiribati territory also lies between Jarvis and Baker Island. These territories have been recognized by the United States (under the provisions of Presidential Proclamation Number 5030, 1983 March 10). Jarvis Island lies more than 500 miles from Howland, Wake and Johnston Islands. In fact, no line can be drawn from Jarvis Island to any other US land without either crossing internationally-recognized sovereign territory of other nations, or covering distances of more than 500 miles.

These distances and separations form the basis for an application to the ARRL to make Jarvis a new DXCC country, under Rules 2b and 3b.

This application of Rule 3b is consistent with each of the three other cases where Rule 3 has been applied to islands: Market Reef (OJ0), Mellish Reef (VK9M), and Kure Island (KH7). For example, a straight line from Kure Island to the nearest neighboring part of Hawaii passes nearby (but not exactly over) Midway Island. The ocean territory surrounding the DXCC country of Midway intervenes. Similar situations exist for

Mellish Reef (ocean territory surrounding Willis Islets) and for Market Reef (ocean territory surrounding the Aland Islands). At the time of DXCC ruling on these three locations, the intervening territory was treated as a separate administration.

**Schedule**

The DXpedition is expected to arrive at Jarvis Island on 1990 April 13 Friday and will depart on 1990 April 23 Monday.

**Station Operations**

Four Icom stations, including RTTY and 6 meters, will be manned by the DXpedition. Multiple mono-band beams will be used. The DXpedition will operate as AH3C/KHLJ on the following frequencies:

band	CW	RTTY	SSB
160m	1 828		1 828
80m	3 505		3 795
40m	7 005	7 040	7 087
30m*	10 105		
20m	14 005	14 075	14 190
17m*	18 073		18 125
15m	21 005	21 075	21 220
12m*	24 895		24 935
10m	28 005	28 085	28 495
6m	50 110		50 110

\*Since the main objective of the DXpedition is to give as many DXers as possible a new, "countable" DXCC country, operation on these bands is a secondary priority.

**QSL manager**

Jarmo J. Jaakola OH2BN  
 Kiilletie 5-C-30  
 00710 Helsinki, Finland

**Financial Aspects**

- This DXpedition is supported by:
- Northern California DX Foundation (NCDXF)
  - Icom America
  - Honolulu Electronics
  - Japanese CQ magazine

These sources cover about 20% of the budgeted expenses, with the operators presently covering the remainder. Additional support is solicited. Donations are tax-deductible in the USA when made through a special NCDXF account:

Northern California DX Foundation, Inc.  
 Special Account #684-8-56824 (Jarvis)  
 PO Box 2368  
 Stanford CA 94309-2368

In Europe, contributions may be made via the QSL manager OH2BN (see above).

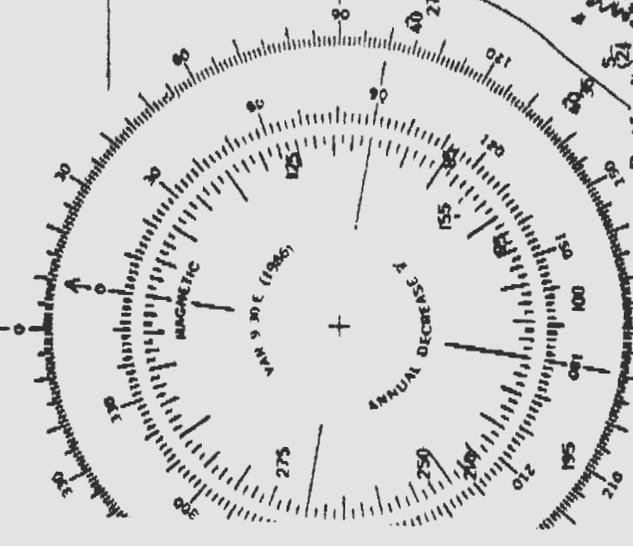
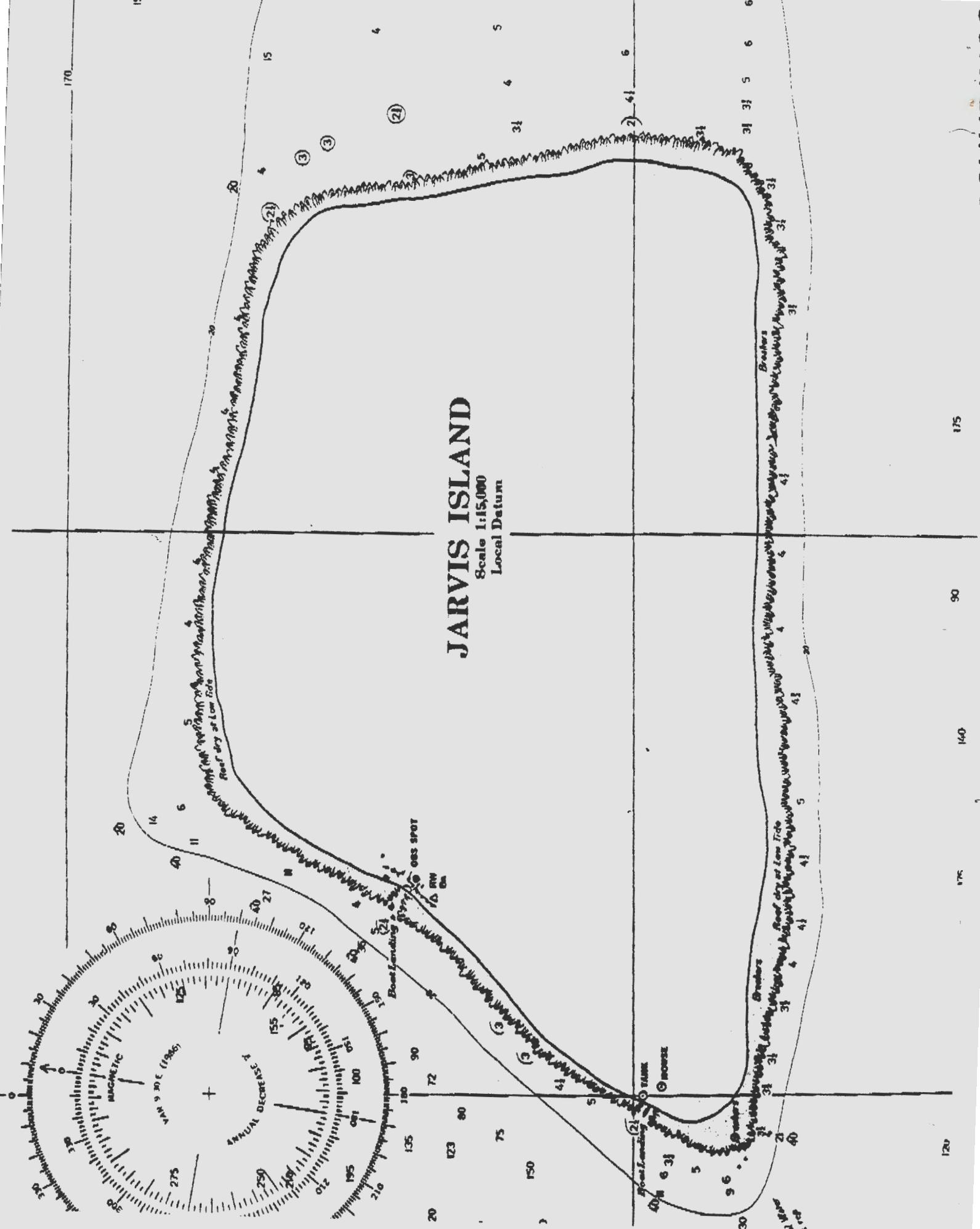
## The Boat

The DXpedition will sail to Jarvis on the *Makalani*, a 71-foot offshore hull-type sailing and engine-powered vessel. *Makalani* was originally designed for the Whitbread Around The World Race. The boat will leave Hawaii with DXpedition equipment on April 1, and meet the operators at Kritimati Island (in T32) on April 11. The DXpedition will then sail to Jarvis, with landfall expected on April 13. A 13-foot zodiac will be used to land on the island when seas permit.

## The Operators

Pete Grillo AH3C  
Eric Scace K3NA  
Marti Laine OH2BH  
Wayne Mills N7NG  
Jim Duffy WA6AUE  
Masahiro Senda JG2BRI  
Toni Zimmer KN3T — YL operator!

Together, this gang has an extensive collection of DXpedition experience to many rare locations. The operators look forward to working you on all the bands from the new DXCC country: Jarvis Island!



# Tide turns for tiny island

## Japanese build concrete barrier to stop sinking

Asahi News Service

TOKYO

**A** \$200 MILLION effort to prevent Japan's southernmost island from sinking beneath the waves has been labeled a success, securing Japanese fishing and ocean-bed mining rights in a 160,000-square-mile area.

During high tide, only two small peaks on the uninhabited coral island protrude a mere 20 inches above the water. Under international maritime law, the island would cease to exist if it became totally submerged, thus redrawing Japan's borders. Called Okinotorishima, the island lies 1,063 miles southwest of Tokyo.

Japanese officials, fearing that further erosion of the island would wipe it off the map, began building a protective barrier around the two peaks in April 1988.

Putting a structure on the reef or building it up in some other way was ruled out because international law requires that the portion of the island remaining above the surface at high tide be naturally formed.

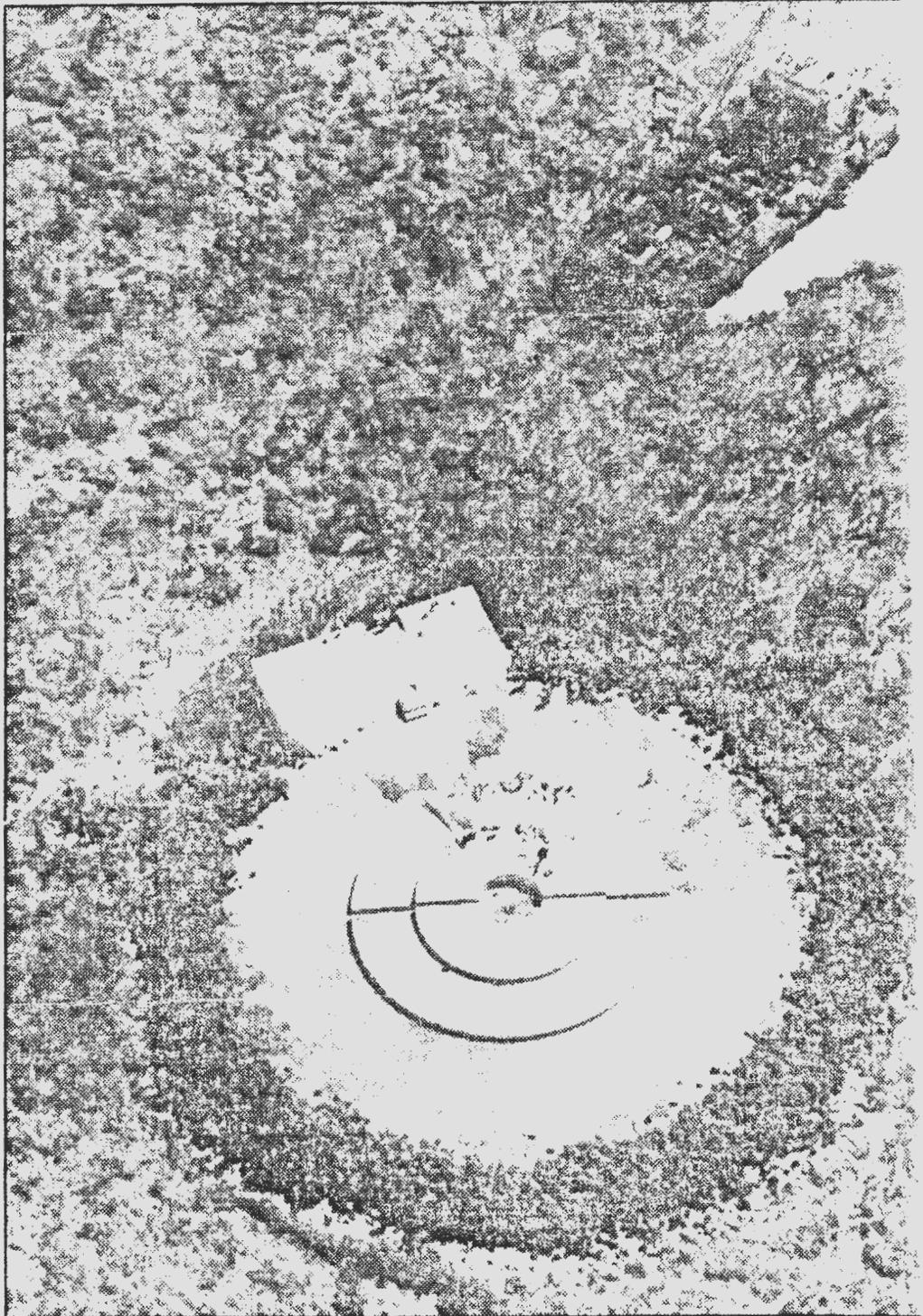
The island is about 2.7 miles by 1 mile wide, but the two peaks that remain above water are only 17 feet and 7 feet in diameter and lie three-fourths of a mile apart.

To protect the tiny peaks, the government's Construction Ministry first surrounded each of them with a total of 9,900 wave-absorbing steel blocks piled 10 5 feet high that formed 165-foot circles.

The area within each of the circles was filled with concrete, with the concrete layer nearest to each of the peaks rising higher than the peaks themselves. As a result, the island can now be viewed only from above.

Meteorological equipment for measuring tides and waves and for observing typhoons that often pass through the area were set up nearby.

The island was called Douglas Reef from 1945 to 1968 while under the administration of the United States.



Asahi News Ser

A ring of steel and concrete circles a speck of coral reef

## Getting Into & Along With Packet

A little over three weeks ago I finally got up enough courage to purchase a PK-88, a packet controller, and already it has proved to be a welcome contribution (and a new toy) to my station and my Dxing. I'm having lots of fun with it, that is, when I get a chance to play at my hobby (unfortunately rarely these days). Here are some observations from a packet neophyte.

### INSTALLATION

The installation was fine, except for the wiring and soldering of a resistor and capacitor to the cable that links the controller to the 2m handheld. The holes were so tiny in the shielded connector (to 2m) that much dexterity and eye sight was involved. I was thinking that it would be a wonderful idea for local amateur radio stores to keep a supply of wired (and tested) connectors on hand or at least a supply of resistors, capacitors and plugs. Or maybe one could write the controller manufacturer to have a connecting cable made up and tested. This might appeal to those with uncommon or older 2m rigs where the configuration might be difficult, or those who lack agility or time.

Connecting the packet controller to the 2m rig and the Heath 719 ("dumb terminal") was no problem. Now that I have my computer in its place I can use packet software. There are a lot of dumb terminals around usually at flea markets or advertised in local computer magazines that are often piled outside of supermarkets, computer or electronic stores. Maybe we should permit computer equipment to be announced on our weekly net swap shop, recognizing, of course, that this might open Pandora's Box as next could be fishing rods and cameras, with all due respect to these items and their hobbyists.

During my early days of operation I noticed that the "red" DCD light (the data carrier detector) would burn brightly whenever I keyed down. This was corrected (except for running power on 80m) by winding two toroid cores (3 turns) at both ends of the shielded cable from your controller to your radio, your antenna cable and the cord that powers your controller. Mike Lamb (N7ML) wrote a great little article on RFI, computers and controllers (see CQ Magazine, November 1987, "RFI and Computers in the Shack," pp.66-68).

### OPERATION

Operation is a snap once you get the hang of it. But my learning was (and is) by trial and error. AEA's accompanying manual is too long and complicated. It is 125 pages. and I understand that the manual for the PK-232 is double the size! They are in the process of writing small user's guides, containing only the most needed commands and instructions for installation. Before marketing it they are going to test them with their non-programming/non-engineering staff members.

As far as our local packet nodes (principally K6LLK, KN6J and W6OAT) most will be able to access one or another quite readily. In a recent DXer a complete list of commands was published and upon request (even by sending a message on your new packet set-up) one of the repeater "keepers" can send you a copy of theirs. From the 69 commands listed on the pages sent to me (if my count is right) I find that I most often use six: c = connect, sh/dx = show

dx stations recently announced, sh/u = show users, t = talk for one line messages to those logged on, r = read messages, s/p = send message to a specific station, and bye = going QRT. Greg (NY6C), a new club member, is in the process of developing software which can be easily programmed so that instead of typing a series of letters, let's say "sh/dx", one key alone can be substituted. This is very useful particularly during times of heavy dx activity where one wants to keep his/her attention on the bands. Another neat feature in Greg's program is that it audibly sends at 13 wpm a dx station that has been announced as "DX DX A51JS" !! You can easily hear this cw from an adjoining room and if your ears like faster cw you can reset the program to send you a dx call at 20wpm. I think Greg is actually working on a newer version which, among other features, and like some new cars will melodiously say "KX6C there is a message for you from W6LQC"! But maybe that's getting back to our W6TI repeater chit-chat. I am in favor of anything that simplifies packet repeater communication as there's enough to think about when one is operating.

Sometimes, inexplicably, you'll find that you have been disconnected from a packet repeater. You might even get a strange message like "FRMR sent: 31 7c 08" (Does anyone know what this means?). Apparently there are a myriad of causes ranging from your own signal, to a "competing" (simultaneously) station, to the repeater and its programming. Just try to reconnect even though it might be frustrating or insulting. On one occasion when I thought I had been dropped and had to reconnect, I got a message back, seemingly generated automatically, "KX6C LID!". Not ~~very~~ polite but once I was reconnected and did a "sh/u" command I found that there were two of me: KX6C-1 and KX6C! Not wanting to be a "repeater hog" I disconnected and reconnected a few minutes later to find I had been reincarnated into only one of me: KX6C. One club member reports that he invariably enters a wrong command and that gets him "hung up" or, even worse, disconnected. I think Greg is working on a "failsafe" version of his software that will not put you into never-never land if you do make a mistake on the keyboard. By the way a least one repeater automatically disconnects you after four hours of inactivity. This saves on your electric bill and probably your equipment. I'm always amazed to see the large number of users still connected at 3 AM. There are either more fanatics or insomniacs in our club than I imagined. Enuf said...QRX & 73, Harry (KX6C)

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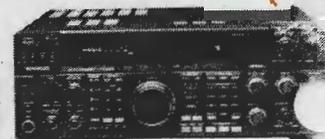


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