



Some tired band captains of the XE2SI multi-multi team are shown here taking a break from the contest. Left to right are Jim, N6TJ (20); Larry, N6AR (40); Wayne, N6NB (Mr. Portable Tower); Glenn, K6NA (80); and Dick, N6AA (10 and 160). Not shown is the crew of operators who were hard at work in the contest, including N6ND, AA6RX, WA6OTU, XE2SI, and N6XX—and of course, photographer "Tree," N6TR (15).



This year's Stateside single-operator all-band USA winner, Gary Caldwell, WA6VEF, operator of the new USA record-setting station A16V, shows us the operating position. Well done, Gary.

1983 CQ WORLD-WIDE DX CONTEST PHONE RESULTS

BY LARRY BROCKMAN*, N6AR/4, AND BOB COX**, K3EST

Juan had often travelled up to the top of the hill in the morning with his friends. From where he stood, there was a beautiful view below of the city of Tijuana. He could also see the Pacific Ocean to the west about 2000 feet below and in the distance. It was completely deserted at the top of the hill, with just one small building, a pumphouse that supplied water pressure for the housing communities halfway down the hill. The area was dusty from some grading that had been done recently but a long dirt road led down the hill to civilization. It was sunny this morning and very quiet. The other children who came with Juan were playing in the pumphouse. Juan was hiding from the others around the side of the building. All of a sudden he noticed a cloud of dust on the road. In a few minutes he could see that there were 10 or so cars, vans, and

trucks headed up the hill. Who would disturb his playground at 10 a.m.? Soon the caravan drew close. Juan could see three trailers with long metal structures on them. There were also three vans, and several cars. What could all this be?

It was 1 p.m., and the caravan had stopped and unloaded many strange things from the vehicles. The trailers had been positioned at various places on the hill, and the long metal structures were slowly being erected into towers. Most people in the vans and cars were Americanos, but a few of the men were Mexicans whom Juan had seen earlier. They had broken the calm before on Juan's hill with a smaller set of trailers and vehicles. But this—this was like nothing Juan had ever seen before. Large antennas were being hoisted to the top of the 3 towers over 70 feet in the air. Some of these antennas had pieces that were 50 feet long! There were wires being strewn everywhere, gasoline generators, electronic equipment galore, tents, and all kinds of activity.

At 4:30 p.m. three towers stood fully upright with large antennas mounted on

them and wires draped all over the place. The crazy Americans had disappeared into the vans and were shouting into microphones and running all kinds of tests. They didn't seem too friendly when Juan and his friends wandered close to the vans. Then at 5 p.m. the Americans went crazy over their microphones and started writing in a frenzy on pieces of paper while they were talking. It sounded like they were saying the same thing over and over: "5906," "5906." Juan and his friends went home to tell their families about the nuts on the top of the hill.

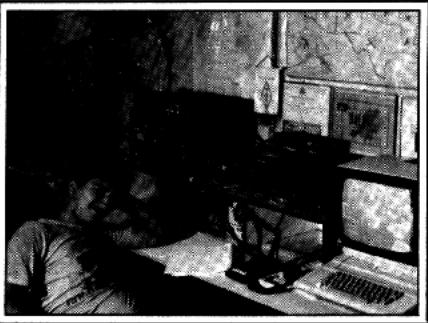
Yes, indeed, a crew of crazy Americans had set up 5-element Yagis for 10, 15, and 20; a 2-element Yagi on 40; and inverted Vees on 160 and 80 using 3 portable 70 foot towers in just 6 hours. Using generators, they were blessed with a cool kw on all five bands. And now they were hard at work as XE2SI in the 1983 CQ WW Phone Contest. Forty-eight hours later they had amassed 11,000 contacts and over 13 million points. In just 3 hours all antennas and equipment would be disassembled, and they would be back inside the United States. Incredibly, the whole

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Seventeen-year-old Seth Levitas of N2BZQ/4X finished third in the World on 20 meters with a whopping 1.1M.



Fifth World High 15 meter honors were captured by 16-year-old Stessil Zvi, 4X6FR, shown here at the rig.

venture had been planned and carried out with just three weeks of preparation.

This was not an isolated case of devotion to the WW DX Contest. Thousands of miles away teams had set up super stations in Bermuda, the Virgin Islands, Costa Rica, Trinidad, Soviet Georgia, Lord Howe Island, St. Martin, and other places. The Stateside multitude was blessed with lots of fine activity from South America and Africa, as well. All in all, the 1983 CQ WW Phone contest was a smashing success—a continuation of the fine tradition established in the past. Sunspots may decline, but the spirit of the CQ WW Contesters just can't be broken.

The All-Band Results

Two of California's finest operators cleaned up in the all-band category this year. Rich Smith, N6KT, managed 10.7M points at PJ2FR to capture the World High, while Gary Caldwell, WA6VEF, guest operated at AI6V and set a new USA Single Operator record with 3.58M. Ironically, AI6V travelled to Hawaii for a multi-single stint at KH6MD and ended up with a lower score than Gary! It is the first time a W6 has captured the USA high in many years, not to mention stealing the record from John Dorr, K1AR, who finished second this year with 2.5M. The second spot in the World category was hotly contested, with Andy, N2NT, of NP4A narrowly beating out Bill, N1GL, of YV3OS by just 12,000 points out of 8.6M.

The Frankford Radio Club went back to 9Y4W for an encore of last year's multi-single effort and finished close to their record-setting status of 1982 with 16.2M to run away with this year's top multi-single category. PJ7A was a distant second at 11M. The fellows at Cueta and Mellila, ED9CM, finished third to set a new African multi-single record. State-side, it was KX4S all the way with a whopping 4.2M, over 1M points above the nearest rival, N4ZC.

This was the year for North American multi-multis, with four of the top six slots going to North America's TI1C (24.3M), VP2VDH (19.8M), VP9AD (17.9M), and XE2SI (13.5M). N2AA bested N5AU for the USA multi-multi high spot with 8.3M.

In the QRP category, Mark, AA2Z1, of the ARRL set a new USA QRP record with a fantastic 509K to lead the World. I5JHW came in second with a fine 436K. It's hard to believe that anyone can manage 600 QSOs with less than 5 watts, but these fellows did it with perseverance and hard work.

Single-Band Results

The big story this year in the single-band category was 160 meters. The low-band crowd shattered most of the existing Continental records with some out-

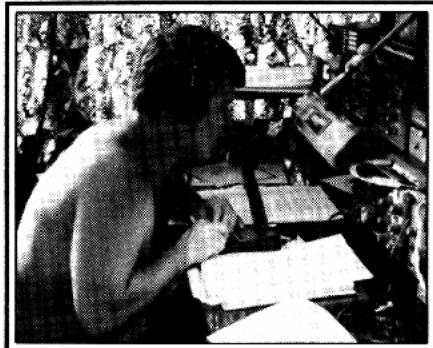
standing performances. UP2BBT, operating portable at UF6V, scored 203,416 points on 160 meters to demolish the old World record by a factor of almost 10! Collecting an incredible 1490 QSOs, 9 zones, and 39 countries, his efforts overshadowed an almost equally stupendous effort by Wally, LZ2CJ, who finished second with 65,870 points, 857 QSOs, 13 zones, and 57 countries to set a new European record. That's right, 57 countries on 160 meters! Additionally, VK6HD and YV3BNJ set new Oceania and South American standards on 160 meters as well. Joe, WA2SPL, set a new USA record with 18K, ahead of Wally, W8LRL, at 15K, but both fine efforts from North America.

On 80 meters Al, YV3AZC, broke his 1982 South American mark with a fine 260K from 4M3AZC for the World High. UW9AF finished second at 222K, a new Asian record, which was previously set way back in 1971 by VE3MR/4X. Jeff, K1ZM, operating at W1ZM, ran away with the USA High with 177K, crushing the '78 standard set by K8LR at W1CF by 70K. California's W6NLZ was second with 76K, including 28 zones.

YV2AMM's big signal on 40 meters made the difference, as he wracked up 501K and took World High. FM7CD (434K) and IO3MAU (355K) finished second and third and set new North American and European Continental marks, respectively. Some of the country totals on 40 meters were truly outstanding at 103 to 104 countries! Larry Pace, N7DD, collected 701 QSOs to capture USA 40 meter honors with a new USA record-high score of 217,830. This was the third USA single-band record for Larry, who now holds 10, 15, and 40 meter USA marks. He was hotly pursued by N6RJ and W6AM (N6AW operating), as the West Coasters used Japanese runs to their advantage.

On 20 meters Mike, ZL1BIL, posted an impressive 1.3M to win it for the World and set a new Oceania Continental standard. Mike also holds the 40 meter Oceania record. Larry Emery, K1UO, took the USA honors and set a new USA record with 727K. Second was Bill, W0ZV, who just hasn't been able to sneak past second place in several years of fine efforts. It's no consolation, Bill, but you were the only station to work all 40 zones on any one band this year, including the big multi-multis.

Fifteen meters continued to be the band with the largest single-band scores this year. Four finished above 1 million. In order, they were KD7P/KH2 at 1.78M (World High), followed by LZ2KTS at 1.37M (New European mark), T32AF at 1.3M, and CX7BY at 1.2M. Tom, N6NI, visited W6YA's hilltop location overlooking the Pacific Ocean and managed to snag the top USA berth with a great 718K. He was trailed by two other West Coast stations, K7JA/6 and KM6B. The Japanese path went well for the West Coasters,



Phil David, K6DLV, of YB0ARA is shown working down the pileups early in the second day of the contest.



That flurry of elusive activity from HS0HS you heard was due to these gents. Left to right are HS1ALT, HS1ANZ, HS1AHT, HS1AMH, and HS1BG. Loud on 40 meters, there's many a West Coaster who wishes he had spent a little more time listening for North America on 40.



Franz Langner, DJ9ZB, brought us that rare HB0BOE call this year.

as they built up significant leads over the competition in the East.

The top band was a tough one this year, and no new records were set on 10 meters. Ralf, CE6EZ, managed to post 1.25M, overwhelming all other competition for the World High. In the USA arena the W4's took 5 of the top USA 28 MHz spots, as the sunspots made their presence felt. NU4Y topped the field with a fine 142K. Only W6XJ, with some great JA runs, broke into the W4 block, finishing second with 120K.

Activity Highlights

A careful scrutiny of the results will reveal a tremendous increase in activity in the Spanish-speaking segment of the World in the contest this year. The number of EA and CE stations in particular were significantly higher than ever be-

fore. We applaud this great increase in activity. Likewise, the New World countries in Africa are beginning to show some real signs of activity. This kind of improvement in the distribution of contestants is a very welcome trend that all of you can help to extend. Simply publicize the contest to your overseas buddies. Send them some log forms and talk up the contest. It's more fun for all of us when the DX is there and all the zones are active.

A special word of thanks to the contest expeditioners for a job well done. Worthy of special thanks are those who put zone 2 on for us—W8BI/VE2. That was a welcome surprise, indeed. For the last several years we have seen a continual increase in organized contest expeditions, and not just among the W's. This year teams from VK, JA, and Europe travelled to distant places to give the throng a special thrill—some 5 band multipliers. Our thanks to all of you for your fine efforts.

Some Changes

Unfortunately, there are those who insist on taking full advantage of the rules. Believe it or not, one station arranged to retain the allowable three percent duplicates down to the nearest thousandth of a percent. Apparently, our three-for-one penalty isn't adequate. So, in an informal committee meeting at Dayton this year, our committee members voted to in-



Andreas, 5B4LP, has been a welcome addition to the contest during the last couple of years.

crease the penalty to ten to one for all duplicates logged in excess of one percent. After three percent unremoved duplicates are found, the log will be disqualified. Changes were also voted in the three-year trophy repeat rule, reducing the period to two years and offering a special CQ Championship plaque to the repeat winner and the sponsored trophy to the second-place winner, if justified by the returns. We think this change will be a welcome one, since we have had some mail on this issue for some time.

Parting Comments

In next month's issue we will have the results for the WW DX C.W. Contest. Till then, congratulations to all the winners for fantastic efforts. Hope you all will be back for the 1984 fracas.

73, Larry, N6AR/4, and Bob, K3EST

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DX QRM

Luck got the weekend off . . . AH6EK. Never heard so many Europeans in the USA phone band . . . DL7MAE. This year as CQ0UA was the 22nd different prefix used since 1972 . . . CT1UA. Excellent conditions on the lower bands . . . DL8PC. A lot of hard work and a tough job on 40 meters, but a lot of fun. Really enjoyed the contest . . . DL8AAE. Very poor conditions on Saturday . . . DK2WH. Looking forward to the next contest with excellent 10 meter conditions—maybe 1990? . . . DF2RG. Every time we wanted to switch bands, a young boy scout would have to jump up the lift, climb on the roof, and connect the right antenna . . . DF0SI. How can anybody say that 10 meters is dead (30 zones, 95 countries)? . . . DL6RAI. Hope to have the best mobile station score . . . DL4BAH/M. Thanks to the contest I have 16 new countries . . . EA7AQY. The best ham radio contest. Congratulations . . . EA1CIM. This is the first time I operated this contest and it was terrific . . . EA3ENE. No linear amplifier; only 45 contacts, but I'm happy . . . EC4BIR. QRM!!! . . . EA1BFZ. No contesting possible from home—TVI . . . F6BEE. Always the better contest for me . . . TO6FNA. Been QRT for 46 years till March 1983, so this is my first CQ contest . . . G6QQ. Wish we could claim some points for all the dupes . . . G4CNY. Great fun, but where did 10 meters go? . . . GM3BCL. I must rush to get the rig working for the C.W. contest. It blew up after 13 years of operation . . . GM3SFH. Please don't laugh at my score. I had to fight QRM, QRN, a wife, a mother, and a one-year-old son . . . J5OVS.

Very poor conditions due to heavy aurora . . . JW5NM. This is the third year running, and more fun as I get the grip of it . . . LA8DY. Top band (160 meters) should be organized into c.w. and phone segments . . . OH5NQ. Already started to think about the secret weapon for next year . . . OZ1BN. I hadn't planned to participate, but I got carried away . . . PA0HIP. Still working new countries in the CQ WW . . . PA2TMS. As usual, only a few hours to spend . . . SM7TV. I operated my station with a broken arm . . . EA5EFR. Lost the rotor in heavy winds and had to climb the tower in the full storm . . . SM5GLC. Had a great time with many fine multipliers . . . SM0DJZ. After 5 hours it was evident that we were on the wrong end of the globe. Caused a pleasant family surprise by coming on Sunday and being fresh . . . OH0BH. 160 meter band has been significantly different from what it was a few years ago . . . LZ2CJ. Never have conditions been so poor to the USA on 20 meters . . . OH3RF. Enjoyed working VE3CVX for a multiplier, my only VE on 10 meters . . . YU7AD. With only 8 JAs and 159 Ws you cannot expect to make a competing score . . . OH2BAD. Wanted to buy a land mine for the little hill at 330 degrees . . . IO8KPV. Hope to be even more active next year . . . UK0AMM. After operating this contest without big beams, we now better understand all you "small pistols" . . . UK2BAS. Thank you for the nice contest . . . UK2GKO.

Please add 144 MHz to the WW contest. We had good aurora . . . UK2RDX. Finished DXCC on 40 meters . . . UY5XE. I had poor conditions during the contest. Not too many stations from North and South America coming through . . . UF6FFF. Lots of fun being on the other side . . . 3D2ZM (K6ZM). The old Swan made it again . . . 5B4LP. Conditions to the USA on the second day were excellent . . . VK6HD. Special call for the Americas Cup win . . . AX6NSD. My resolution: to double my score in 1984 . . . VK1RJ. Operated from the southernmost spot in the USA . . . K6SVL/KH6. QRP DXCC score is now 230 . . . PY7ZZ. The band (40 meters) was very noisy. Very poor conditions to Europe . . . LU8DQ. Hope to be back in CP land for next year's contest . . . CP1AT (WB0GFV). Not bad for a portable station, eh . . . XE2SI. Many European stations could have picked up multipliers by listening instead of calling CQ . . . KP2AD. The only German-speaking VP9 on the island . . . VP9LB. Magnetic disturbance; 80 percent of the score came in the first 19 hours . . . AL7H. Sometimes there were pileups with the S meter at S0 . . . ZY5EG. Best behaved pileups I've heard in some time . . . PP2ZDD. No doubt, this is "the contest" . . . CE6EZ. Mongolia called in a pileup! . . . EA4LH/CE3. Big QRM from the Russian machine gun . . . YV2AMM.

Tremendous host country and contest . . . YV3OS (Opr. N1GL). Fantastic experience . . . VP2KBZ (VE3KZ). It is difficult for us to have serious entries since our weekend is Thursday/Friday . . . A71BJ. The 10 meter pileups were tremendous . . . VU2GI. The improved antennas certainly made a difference this year . . . 4X4NJ. At 3 a.m. I heard an ominous clicking sound outside. A check revealed the gardener clipping the hedge at the base of the tower . . . TU2NW. Best 10 meter conditions despite openings only between 06 and 18 local time . . . ZS6XD. Quite a thrill working FR0, ZL, 5N8, VP8, and OH on 160 meters . . . VE1BNN. Ten meters was dead to Europe, but on one occasion I heard 16FLD from the south . . . VE2AYU. Called by 9U5JB out of the blue . . . VE3CVX. Lots of DX to be worked on 160 meters this year . . . VE3MFA. Two hours after we started we ran out of scotch, so the output went down miserably . . . EA8ARA. No solid USA/North American openings.

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No good long path. Will be in there next year. Love it . . . HZ1AB. Somehow trying to be heard over the California kw curtain isn't as much fun as from Hawaii as I had expected . . . KH6MD (Opr. AI6V). Bah! Band went west at midnight and never came back . . . KL7BV. Europe must really be fun from Tuvalu. We only got 4 QSOs with zones 14 and 15 . . . T2YKC. After 6 months of careful planning, we were met with bad weather and Murphy staring at us everywhere we turned. See you next year . . . V30AA. FR0FLO on 160, wow! . . . VE1DXA.

U.S.A. QRM

Send awards to the South Americans for their great participation . . . N2PP. Working my first ZL on 160! . . . KS1L. Very poor amateur operating practices on 160 . . . KA1SR. My receiver unable to handle the QRM from two crying boys . . . WA2LOG. My neighbor came over with a TVI complaint after the contest! . . . K3OX. Thank you, VE's . . . K1ZM. New funny-looking short call adds 3 dB . . . KR1G. Worked 17 CEs on 10 meters; none last year! . . . KG1E. Test your patience to the very limit—try QRP . . . W6MYH. Only 6 ops gave me other than 59 . . . AA2Z/QRP. Work is beginning to interfere with my hobby . . . N2VW. Moved to RI and finished antenna work at 2330Z, just in time . . . K1NG. Sleeping too much . . . N1CQ. Computer scoring program produced negative score results after the contest . . . K2ITG. Balun failure at European peak on 15 meters cost us 200K points . . . K3TUP. W4DR worked 32 zones and 108 countries on 40 meters . . . KX4F. Three transceivers gave their best and went to the final reward in smoke . . . NG6T. The Geritol twins doubled last year's score . . . W6BIP. What happens when a new station is put under pressure? Murphy, Murphy . . . KY6I. Couldn't spend as much time as usual in the contest—got married that weekend . . . KE6PQ. We were still putting up the 20 meter Yagi Saturday morning in the snow . . . KR1R.

Trying to work the contest with 100 watts is terrible . . . K6CSL. Tough conditions on the high bands, but the low bands played well, a preview of coming attractions . . . N5JB. The practice of DX stations not signing for extended periods of time still frustrates me no end . . . W5OB. New son (7 lb., 13 oz.) on the day before the contest. Only had time for 40 meters between trips to see mom . . . KE5CQ. CQ contest is well named—band full of stateside CQ DX callers . . . N4SU. First contest, great fun and frustration . . . WA4YLD. What a horrible year to do 10 meters single band . . . KF4FN. My first CQ WW from USA after 18

WORLD TOP 10 QRPP

(5w input)
All Band

1. AA2Z/1	509,106	6. JA1WSK	151,902
2. I5JHW	436,934	7. KZ2E	150,384
3. DF4RD	401,014	8. K5KLA	135,100
4. K7BTB	200,788	9. WA0VBW	128,499
5. K3WS	186,480	10. EA3CKX	108,654

PHONE TROPHY WINNERS AND DONORS

SINGLE OPERATOR, ALL BAND

World

PJ2FR (Opr. Richard J. Smith, N6KT)
Donor: Bill Leonard, W2SKE

World QRPP

Mark Wilson, AA2Z/1

Donor: Adrian Weiss, K8EEG/0

U.S.A.

AI6V (Opr. Gary Caldwell, WA6VEF)
Donor: Potomac Valley Radio Club

Canada

VE7WJ (Opr. Timothy S. Coad, NU6S)
Donor: Jack Baldwin, VE7RG

Carib./Central America

NP4A (Opr. Andrew Blank, N2NT)
Donor: Jim Neiger, N6TJ

Europe

David Petke, CT2FH

Donor: Thomas J. Peruzzi, W4BVV
Africa

Thomas L. Gregory, TU2NW

Donor: Gordon S. Marshall, W6RR

Asia

Dov Gavish, 4Z0DX

Donor: Japan CQ Magazine

Japan

Toshiro Ogino, JI1QPU

Donor: Palm Garden Contest Club

Oceania

James B. Smith, VK9NS

Donor: Northern California DX Club

SINGLE OPERATOR, SINGLE BAND

World (21 MHz)

Robert A. Winters, KD7P/KH2
Donor: K2HLB Memorial (NJDRA)

World—21 MHz

Wasil T. Wachew, LZ2KTS
Donor: Lee Wical, KH6BZF

World—3.8 MHz

Alberto Llavia, YV3AZC

Donor: Fred Capossela, K6SSS

USA—28 MHz

James R. Iori, NU4Y

Donor: Donald Thomas, N6DT

USA—3.8 MHz

W1ZM (Opr. Jeffrey T. Briggs, K1ZM)

Donor: Arnold Tamchin, W2HCW

U.S.A.—14 MHz

Lawrence F. Emery, K1UU

Donor: Southern California DX Club

Canada—7 MHz

Maxwell C. Stagg, VO1CV

Donor: Gene Krehbiel, VE7KB

Carib./Central America

Eduardo Negron, KP4EQF

Donor: KP4ES Memorial
(Pedro Piza, Jr., NP4A)

Europe—28 MHz (Zone 14)

Jose M. S. Pujol, EA6ET

Donor: A.G. Anderson, GM3BCL

Japan—21 MHz

Ichizo Kitade, JA2APA

Donor: DX Family Foundation

South America—28 MHz

Ralf Hucke, CE6EZ

Donor: Rafael Ponce de Leon, CX3BR

MULTI-OPERATOR SINGLE TRANSMITTER

World

PJ7A (Oprs. K1DG, K1KI, K2WR)

Donor: Don Wallace, W6AM

U.S.A.

KX4S (Oprs. KX4S, W4DR, W4MYA, KG4W, K4WHN, N4HB, N4ND, WB4BVY, N4BLX, WA4BKD, WK4Y, WA4HOT, KA3DTE, K3RZR, N4EHJ)

Donor: Theodore Pauck, Jr., K8NA

Canada

VE3CYX (Oprs. VE3CKF, VE3CYX, VE3FRA, VE3IAT, VE3ICR, VE3LWJ, VE3MFP, VE3MMB, VE3WT)

Donor: Calgary Amateur Radio Association

MULTI-OPERATOR MULTI-TRANSMITTER

World

TI1C (Oprs. TI2CF, TI2CC, TI2JVA, W6TPH, W6SZN, AE6U, K6HNZ)

Donor: Radio Club Venezolano

U.S.A.

N5AU (Oprs. N5AU, N5RZ, K5GN, N5CR, N5DDO, WB5YOT, NM5N, K5MR, KM5X, K5TM, K5ZD, WB5VZL, N4GZC, WA0TKJ)

Donor: Dale Hoppe, K6UA

Europe

403WCY (Oprs. YU3FK, YU3HRO, YU3DM, YU3TVI, YU3EY, YU3BO, YU3TAE, YU3EA, YU3TGF, TY3SO, YU3MY)

Donor: Bob Cox, K3EST

CONTEST EXPEDITIONS

World—Single Operator

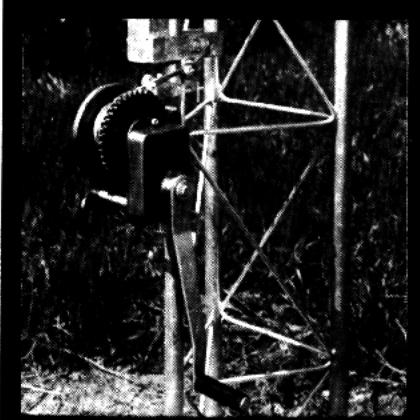
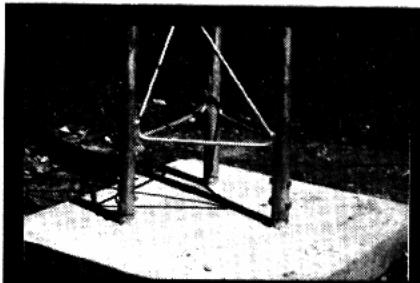
Robert Nash, VP2KBZ

Donor: Stuart Meyer, W2GHK

World—Multi-Operator

VP2VDH (Oprs. K1RX, K5GA, KT6V, N5FA, N6CW)

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