Автор: Vlado Z35M

06.06.2012 14:28 - Обновлено 06.06.2012 14:48

В июньском номере американского журнала "CQ" за 2012-й год опубликована статья нашего одноклубника Vlado Z35M. В статье интересно рассказано об искусстве работы QRP из разных мест и в разных условиях. Автор упоминает RU-QRP Клуб и на примере своего участия в 2012-м году рассказывает основную идею нашей игры "Мороз -Красный нос". С любезного разрешения Vlado его статья в виде копий страниц журнала публикуется на нашем сайте.

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# Take It to The Field Special

If you think HF hamming requires a dedicated room and a then you've never met Z35M, who has put together an ultra portable HF QRP station and has operated from ... well... j everywhere.

# Flight of the QRP Bird ... or the Freedom of QRP

BY VLADIMIR KOVACESKI,\* Z35M

aking local and DX contacts, even having a small pileup, is possible from just about anywhere (see photo
A) with an ultra-light HF QRP setup weighing less
than four pounds, including radio, battery, antenna, coax, a
fishing rod as antenna support, ear bud, mini paddle, light
ropes, paper log holder, and all wiring and cables (photo B;
also see sidebar for detailed station description). A resonant
low-mounted dipole in an inverted-V configuration or a quarter-wave wire vertical with a few ground-mounted radials may
be used without an additional antenna tuner. The complete
station can be packed in a small rucksack together with other
non-radio stuff and needs only 15 minutes to set up at almost
any location—the real "Freedom of QRP."

The freedom of QRP may be compared to the freedom of a bird. If there is enough space for a bird to land, there is enough space to accommodate an effective ultra-portable HF QRP station. Bear this in mind when you hear complaints from hams that they have no possibility of installing antennas at their homes or other locations. An "Amateur Radio First Aid" kit may be offered, which includes going to any home or other location, setting up an ultra-portable HF QRP station, and making QSOs very shortly after arrival. Not the space, but the will and imagination of the operators are the factors that limit the possibilities of being on the air.

#### From QRO to QRP

After nearly three decades of QRO (high power) amateur radio activity and close to 400,000 QSOs in the log, operating QRP has refreshed my interest in the hobby. My QRP station as a "free bird" has landed at many interesting locations. From all of them, without exception, I successfully set up a QRP sta-

WRA), near lakes (World Lakes Awa from other attractive or unusual plac Follow the story of where the "QR and feel the freedom of QRP operati

# A Family Summer Holiday (with XYL-Approved QRP Exp

The June 2011 special CQ Take It to in my mailbox a day before our plan



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06.06.2012 14:28 - Обновлено 06.06.2012 14:48



Photo B- My ultralight HF QRP portable equipment. See box at right for detailed listing.

Albania, where I intended to be active on the air as ZA/Z35M/QRP. What a nice surprise! Most of the articles were about what I had been doing for the past two years and what I intended to do during my QRP operation in Albania. The special CQ issue was my companion on the beach together with my HF QRP setup. The family holiday with approved QRP activity of less than a week ended with a total of 781 CW QSOs on 40, 30, and 20 meters using a maximum of 5 watts into dipoles from the apartment, or with a wire vertical on a beach supported by a 5-meter (16-foot) fishing rod.

The highlight of the operation was my first activity from a nearby uninhabited island where at low tide I arrived completely on toot holding all of my QRP gear in my hands, high above my head (photo C). Once I was on the island, I installed a quarter-wave wire vertical for 20 meters supported by my fishing pole. I also set out six ground-mounted radials, with some of them running into the sea water. The radio setup worked on the first try (photo D) and I made a lot of contacts. The only problem was the strong wind threatening the antenna. In order to keep the antenna straight up, I moved the oper-

### Station Descrip

Elecraft K1 for 40/30/20/15m, 620 gr Battery 12V/0.8Ah with cable, 365 gr Link dipole for 40/30/20m, with 7m c Fishing rod 5m, 510 gr K9LU Bull Dog mini-paddle with mag Earphones, 11gr Paper holder, 70 gr Nylon rope, 30 gr Station total weight: 1986 gr

Note: The total weight may be reduce you replace the K1 with a miniature rate gr), smaller battery, etc. If you want to of all you must take care of reducing the

ily had a coffee break in a nearby r lasted a little more than one hour.

#### From Mountain Summits

My interest in QRP portable activity launched the SOTA (Summits O Macedonia. According to the rules o that is growing in popularity, all radio be carried to the mountaintop by the ized manner. Also, the use of electric erators is forbidden. This means that light QRP radio setup is a must for activations.

I started to hike to nearby lower so the air. During this period I tested and for more ambitious tours. Very soo were activated, too, including the hig Golem Korab, with an altitude of 9 Also remarkable was the winter act Ljuboten at an altitude of 8195 feet radio and hiking are perfect compar

#### From Castles

Searching for additional attractive plate, I discovered the World Castles My first WCA activation was conducted the Skopsko Kale in the centerity, Skopje. I took all my equipment in the fishing pole to it, and went to the arrival I made a quick inspection of the best place for erecting the antenradio gear. The most convenient was the walls as a support of the fishing pole to the frame of the bicycle, and the castle stairs. All this attracted some visitors, but the pile-up was going or contacts in the log over a period of

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station may be deployed in any convenient place in the hotel room. The biggest challenge is how to erect an effective antenna.

When the conditions and time permit, installing a full-size outdoor antenna is the best solution, but when this is not possible, then a lot of combinations can be made using different types of indoor antenna configurations. I have tried using a quarter-wave wire for 20 meters in an inverted-L configuration, using a 2.5-meter (8-foot) fishing rod segment to hold the bottom half of the wire, with the second half of the wire running almost horizontally, attached to the upper part of the closet door. For the counterpoise, I used one-quarter-wave wire radial bent on the room's floor. Other types of wire antennas spread out in available space may also be used to radiate reasonably strong signals to make some radio contacts. In these conditions it is necessary to use a good antenna tuner.

#### From Home

I have a permanent QRO radio setup at my home, but very often I use it with the power turned down to QRP levels, or I put my portable QRP station on an operating desk and tune it into a single-element multiband dipole. The enjoyment is always greater when using the station that is specifically dedicated to QRP work. In some of the major DX contests I decided to work QRP in S&P (searchand-pounce) mode and often was surprised at how well it worked. Sometimes I even succeeded in holding a frequency for a while to call "CQ Test" and to receive responses. To attract more attention I prefer to use "/QRP" after my callsign.

On a few occasions I have operated my QRP station from the balcony of my apartment. Each January the RU-QRP Club organizes a QRP contest called "CQ Moroz" (Red Nose). The aim of this operating event is to encourage the participants to operate from outdoor sites in winter conditions. I took part in this interesting operating event by working from the balcony, where the temperature was below freezing. It's not easy to



Photo C— Destination: an uninhabited island along the A way to access it was on foot through shallow water at lo above my head.

rod attached to the balcony fence and two quarter-wave wire radials running across the fence and then continuing close to the outside wall with ends attached to nearby windows.

# From a Parking Lot

In September 2009, I was preparing the new light link-dipole antenna (see below) for my planned activation of the highest summit in Macedonia. I finished the antenna project late in the evening, the day before the planned activation, and decided to test it in real portable conditions from a parking lot near my home. The radio was set up in the front seat of the car and the link-dipole was of the antenna without any pro-

#### Near a Rive

In the spring of sack with radio pole to the side cle for a 20-m Vardar River, Macedonia. I r ure out where the the radio than

I chose struct playground as player to sit and erected in inve its center supp

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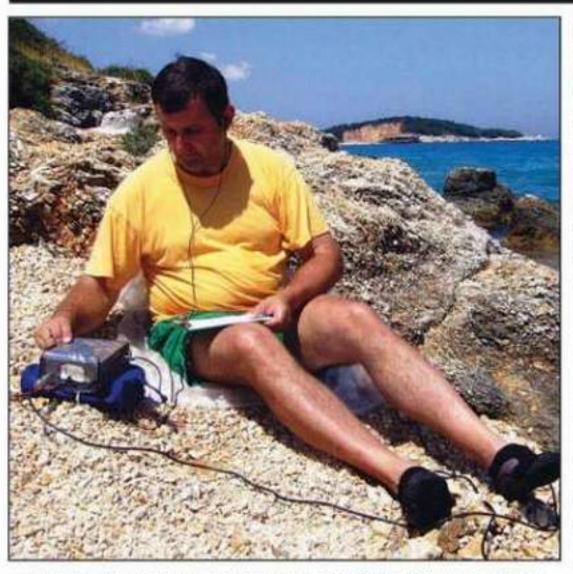


Photo D- After wading to the island (see photo C), I quickly was on the air.

antenna was an inverted-V hanging on a tree limb, with the ends attached by tiny ropes to nearby branches. I managed to make 17 CW QSOs with European stations in not-so-good propagation conditions. Some of them were also operating with QRP power and some were also portable. The antenna was practically invisible to the other visitors and nobody even noticed that I was making radio contacts.

I've even tried (once) operating from the bicycle itself. I consider bicycle mobile the ultimate operating challenge. My goal was not to create a permanent bicycle mobile setup, but only to test it. To avoid grounding installation problems, I decided to use a half-wave 20-meter dipole wound on a 4.5-meter (14-foot) fishing rod attached behind the seat at an angle of approximately of 45 degrees to the ground. The radio, bat-

was more than enough to claim successful bicycle mobile operation on HF.

# From a Vacation Apartment

Last summer I installed a half-size G5RV multiband dipole at 9 meters from the collective three-story building where I have my holiday (vacation) apartment on the north shore of Ohrid Lake. In July! took part in the QRP Marathon organized by the international QRP club "Club 72" and succeeded in making more than a thousand QRP contacts and won on the 40-, 30-, and 20-meter bands. I used my battery-powered Elecraft K1, manual antenna tuner, and Morse paddle. To have the feel of a back-to-basics operation the logging was done by pencil and paper. The best surprises were the two-way QRP contacts with Japan on 20 meters and the



Photo E- A link of antenna with diffe switched in and or ing or detaching

inverted-V dipole vertical antenna. was not difficult a small plastic bottle in the first few tr branch. The next s ter insulator of th insulator of the v rope and to lift it u The ends of the ropes were attach When using a ver then placed on the ated an effective need for an anten meters from the I ful views and at the a radio contacts, experience.

#### On Foot, In a l

In September 201 20 CW QSOs or while operating p the first time from Vodno at 1066 m achieve this, I use portable setup plu na tuner. The an wave wire suppor attached to a side a one quarter-way on the ground. A meter dipole wit straig/9 up on the second leg draggi QRP station was

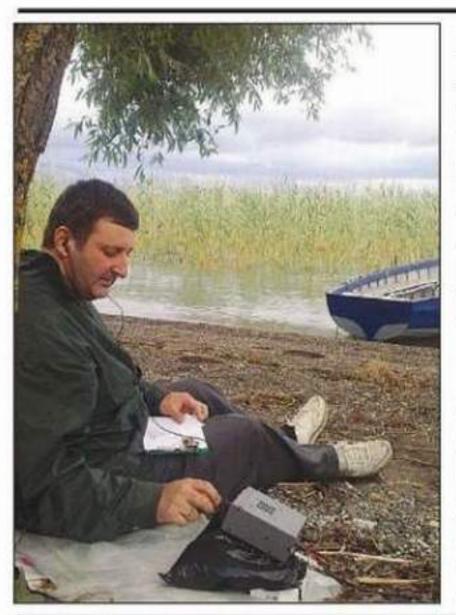


Photo F-No need for wading here ..., ating along the shore of Ohrid Lai Macedonia, near my summe

use it on a permanent basis. I have a ations from a small boat and from m

#### Isn't 5 Watts Too Much?

Some QRP enthusiasts think that 5 v and they often go QRPp with output p I often operated with power of 1 watt was surprised that this works and on red my expectations. One of my regular summits was conducted with output and I managed to make 52 QSOs ov a low-mounted inverted-V dipole.

## And Finally ... From a Zoo

While on a short visit to the city of Bit ed to try to make a first World Zoo activation from my country. After a negotiations with the Bitola Zoo direct up my HF QRP station inside the splace to install the quarter-wave with battery-powered radio on a desk, at CQ on 20 mete running only 3.5 was quickly developed and I managed stations in a period of an hour. I never ly from the bird's nest," but this tire the bird's nest—in the cage—as to once again.

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