

Name of research institute or organization:

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**Relaisgemeinschaft HB9F Bern**

Title of project:

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Operation of a 70 cm amateur beacon transmitter,  
operation of a 23 cm voice repeater station,  
study of high frequency propagation conditions.

Project leader and team:

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Roland Moser, HB9MHS; project leader  
Jürg Furrer, HB9APG; Christian Schmocker, HB9DUU; Heinz Burkhard, HB9MOA;  
Ruedi Wyss, HB9BEN

Project description:

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The "Relaisgemeinschaft HB9F Bern" has been operating two amateur radio stations at the Sphinx observatory for more than twenty years.

The 23 cm repeater is operating at Tx 1258.900 MHz and Rx 1293.900 MHz since 1992. Our 70 cm beacon at 432.984 MHz has been working incessantly since 1980.

As of January 1, 2004, the 70cm frequency band plan of the International Amateur Radio Union (IARU) will undergo several changes. Thus, the beacon band will be shifted downwards by about 500 kHz. The Swiss Federal Office of Communication (BAKOM) issued a new frequency of 432.432 MHz for our beacon. In order to re-adjust the transmission frequency the beacon was moved temporarily to Bern where the old quartz was exchanged. The beacon is operating at the new frequency since September 25, 2003, without any problems back at Jungfrauoch. Reports on radio reception are welcome via e-mail [hb9mhs@relais-hb9f.ch](mailto:hb9mhs@relais-hb9f.ch).

Our group homepage <http://www.relais-hb9f.ch> provides complementary information on technical equipment and activities.

For the hospitality for over twenty years the "Relaisgemeinschaft HB9F Bern" expresses its thanks to the International Foundation HFSJG.

Key words:

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Amateur radio beacon, repeater

Internet data bases:

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URL: <http://www.relais-hb9f.ch>

WAP: <http://wap.relais-hb9f.ch>

Collaborating partners/networks:

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USKA – Union of Swiss Short Wave Amateurs, Section Bern

Address:

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