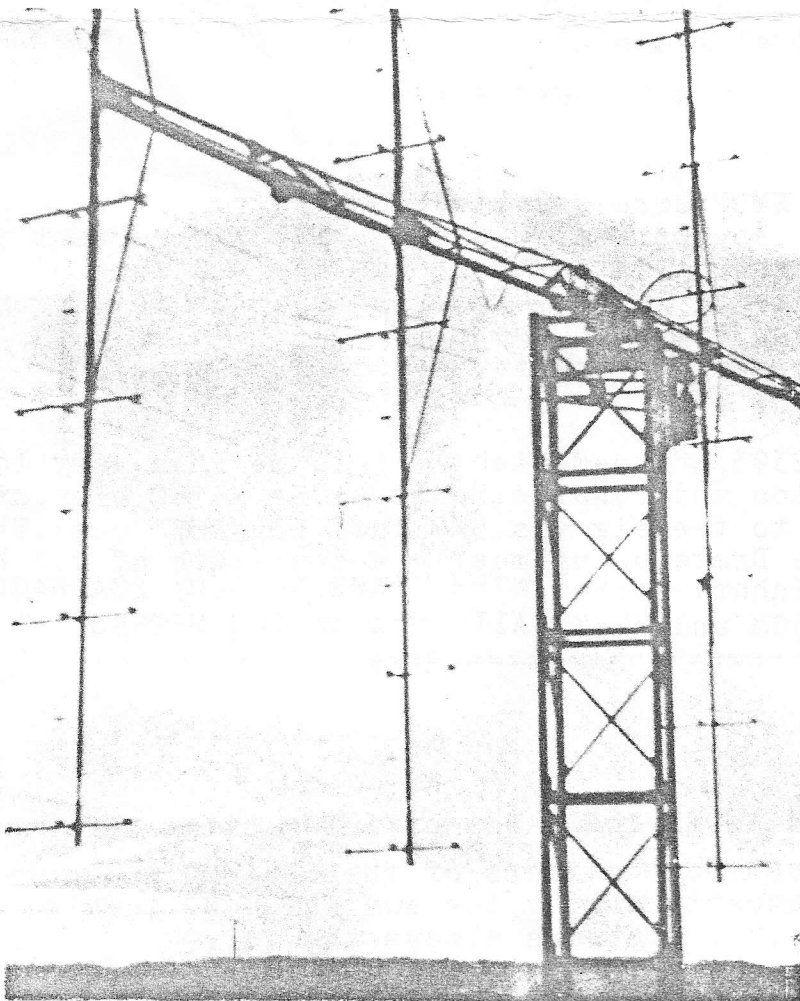


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Dear EME-friends,

Since our "EME-Nachrichten" were published and printed in German some readers asked me to print it in English also. I am trying to do so now and am hoping most of you will be satisfied. Please let me have your opinions and articles concerning EME.... Many thanks, 73 OE 6 HS



144 Mhz  
moonbounce

DK5 LA

MOONBOUNCERS CALL-LIST:

I am trying to work out a special list of all EME-stations active in the world. This will be OFFSET-printed and sent free to moonbouncers on request. So please let me have YOUR call and QTH. Remarks about rig and antenna as well as worked countries/states/continents vy appreciated!

My QTH: Heinz Steinboeck, OE6HS, Klosterwiesgasse 64, A 8010 G r a z.

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AUSTRIA on 144 MHz EME

First Austrian moonbounce-station under the call OE 3 XMS operated by Peter. OE 3 UP of the AUSTRIAN MILITARY RADIO SECTION (AMRS) is active! Antenna is 4 x 14 el. PARABEAM fixed at 4 degrees elevation. The moon-window useable for 90 minutes. Receiverside: preamp with 1,7 dB NF into a Nuvistor converter and a Drake R4C with 250 Hz af-filter. TX: Pp 4x150 with 2,5 KV, running abt 800 watts output. Feedline is 14 m of RG 213. Peter heard K1WHS and W6PO already. For skeds you can find him around 14.300 KHz at 17.00 z on sundays.

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Yugoslavia to Sweden via EME on 2 Meters

On may 25, 1977 at 18.50 GMT first 144 MHz EME contact was established between YU 2 CNZ and SM 7 BAE. YU2CNZ is a call of the Radioclub Zagreb, operators were YU2RGO Milan, YU2RMP Mitra and YU2RGC Miodraga. TX: 1.700 watts input (2x 4CX250B). Antenna: 64 el. Yagi (F9FT-type), preamp using a K5001 transistor. RX: Collins 51-S1. SM7BAE was using 1.500 watts input into a 4CX1500 and 16 x 10 el. antenna.

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Switzerland:

2 Meter -EME work by HB 9 XM, Pierre resulted in very fine contacts lasting 16 and 13 minutes resp. on Dec. 26 and 27, 1977. Pierre sent me a cassetta with very interesting infos about his rig and some ufb echos of his own signals. Pierre is very interested in Radio-astronomy work. We do hope to hear from him soon again!

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Germany:

DK 5 LA, OM Reinhard in D2393 Sörup-Flatzby told me in a very long letter about his EME-station and results. He is using a 160 elements Cushcraft array connected to the rig via 5/8 inch FLEXWELL coax. The NF being abt 1 dB! RX is a Drake, using mostly a bandwidth of 2,1 KHz! TX is running 1 KW out. Reinhard worked: W7FN, K1WHS, W6PO, DK1FGA, K4GL and hrd SM7BAE, SM3AKW, W7UBI, K5CM and YV5ZZ. All this on TWO METERS !!!

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K2UYH's 432 EME NEWS

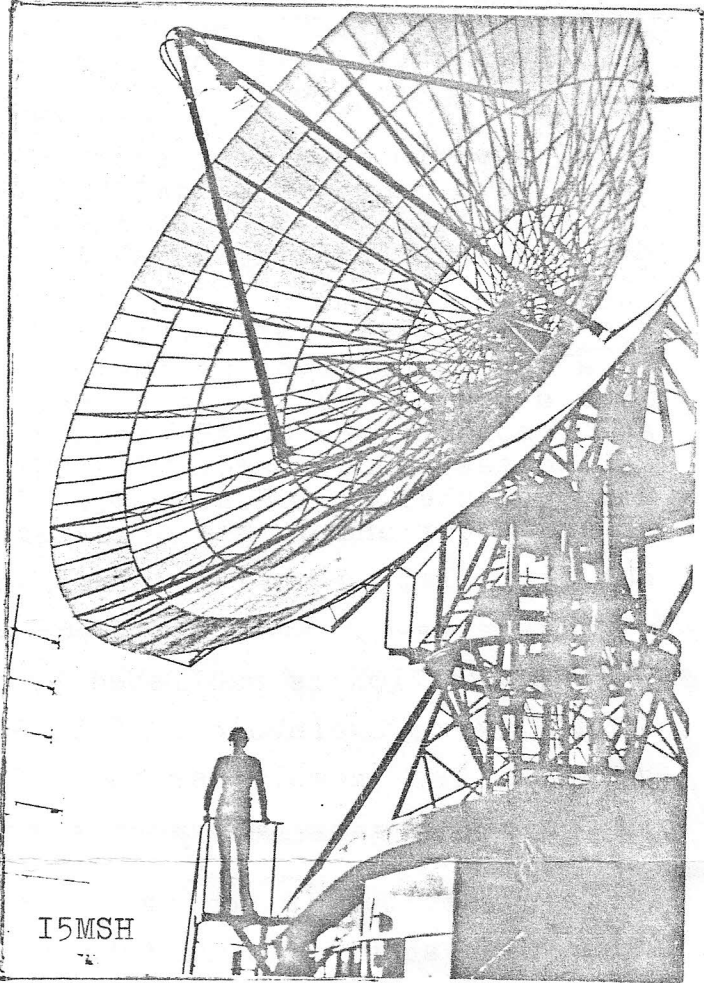
for March 1978 arrived and is giving a lot of interesting information. During the April EME contest some members of the OE6-EME group tried to listen on 432 MHz but except hearing the sun noise NO luck so far. We know it's too early yet, but amateurs always try .....

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Argentina: LU3AAT is just about ready for skeds. Hugo copied K3NSS in March with a 8 RIW yagi array. TX running 1 KW.

I 5 MSH of FLORENCE, Italy.

From Piero, I5TDJ comes a very nice letter with infos about their EME-station located in downtown Firenze. The big dish is mounted on top of a 5 stories building. It has been build by the father of I5MSH in 1962, just for receiving the US-Apollo moon-expeditions transmissions! In 1975 an invitation of WA6LET was received to participate in the EME-tests and the all homemade station was build and is working ever since. All the "normal" stations were heard so it was time to build the power-amplifier, a K2RIW-job. Immediately after finishing the PA our own echos could be received..but only



month later the first QSOs could be made with PA/SSB, F9FT, K2UYH and WA6LET. Since then we work quite regulary and made "EME432MHzWAC". The receiving section is using a FJ203E and MRF904 antennamounted preamp, a 432-28MHz converter with BFR91-MD109 MIX into a transistor RX (from HAMRADIO, Oct. 1975). The TX using a TR-28MHz-SSB-generator (HAMRADIO, april 1977), a 28-432MHz up-converter with 30 watts output into PA, a K2RIW final, using two 4X250Bs producing abt 600 to 750 watt output, depending on the mains voltage. The antenna is a 11 meters diameter dish, 0,35 F/D, with full az - el-control. Its position is indicated by 360 lamps for azimuth, 90 lamps for elevation. The feed is a simple dipole with reflector which can be rotated to offset the Faraday-station. Its estimated gain at 432 MHz is 30 - 32 dBi. The main problem at I5MSH is the man-made noise during day-hours. Putting down antenna the noise goes up 6 dB in the last 3 degrees of elevation! The sun-level, when quiet, is 13 to 14 dB. On march 12, 1978 at 14.30z we found it over 18 dB !

Best 73s from Piero, I5TDJ.

GASFET PREAMPS: Fine transistors, the NEC 64535s at \$ 17 each may be ordered from CALIFORNIA EASTERN LABS., 1 Edwards Court, P.O.Box 915, BURLINGAME, CA 94010, USA. Al, WB5LUA has build several preamps using mentioned transistors, all of which have had NF's between 0.8 and 1,0 dB! Dont worry abt delays in receiving them!

EME-stations all over the world, please let us have letters, pictures, discriptions, preamp-ckts etc, etc. Also recordings of QSOs via moon. Write to: Mr. Heinz Steinboeck, OE6HS, A 8010 GRAZ, Klosterwiesgasse 64, AUSTRIA -EUROPE. Here QSL 100 %!

EME INFORMATION is sent free to interested HAMs; send 2 IRCs for postage!



JAPAN

is going to be a strong EME-partner country. As to my knowledge the following stations are active on moonbounce: JA1VDV, JA6DR, JA6CZD, JF6EQD, JA9BOH and JA6PX. In our next EME-INFORMATION we shall tell you more about these stations and their outfit.

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K3NSS reports excellent signals on the 11. March and following contacts were made: YV5ZZ 449/559, VE7BBG on ssb 34/54, WB6SRG (M/M), SM5BFK (T), K5JL 539/559, W6ABN (O/439); next day: ZE5JJ, F9FT, LX1DB 429/539, SM6-CKU, SM2AID, SM5BFK, YV5ZZ ssb 42/52, LX1DB in cw and ssb.

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I S L stands for INTERNATIONAL SPACE LISTENER and might be the name of a new group devoting their interest to listen for signals coming from space only. This special listeners group will be listening and recording the OSCAR-signals and beacons, moon-echos, sun-or other gal. noises. Frequ. range: VHF - UHF - SHF. All reports will be collected and published by A.R.A.U., HQ. of ISL. We should like to sponsor such an endeavour and do the organisation and coordination.

But first let us have your opinions on this matter please!

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EME INFORMATION is published by the AUSTRIAN RADIO AMATEUR UNION (ARAU) EDITOR: Heinz Steinboeck, OE6HS, Klosterwiesgasse 64, A 8010 Graz, AUSTRIA. The newsletter is sent free of charge.

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This newsletter is coming to you from GRAZ, a lovely town with about 250.000 inhabitants having this ----> clock-tower on a hill midst down-town .....



**DRUCKSACHE**  
**Imprimé**