

#1065L

P.O. Box 10980  
I-20110 Milano  
Italy

phone: +39-2-266 69 71

Italian Radio Relay Service  
P. O. Box 10980  
I - 20110 MILANO  
Italy

Dear listener,

Thank you very much for your letter. Unfortunately we ran out of our special numbered QSL cards. Instead of keeping you waiting until they are re-printed, I am glad to confirm with this letter of verification your report upon the reception of IRRS-Shortwave, which is in accordance with our schedule :

Date : 22/4/90  
Time : 05:03 - 05:42  
Frequency : 9815 kHz

Enclosed you can find our latest programme schedule. Please note that due to the fact that IRRS is a "Relay Station", our current programme and frequency schedule may change at any time, as new stations start using our facilities.

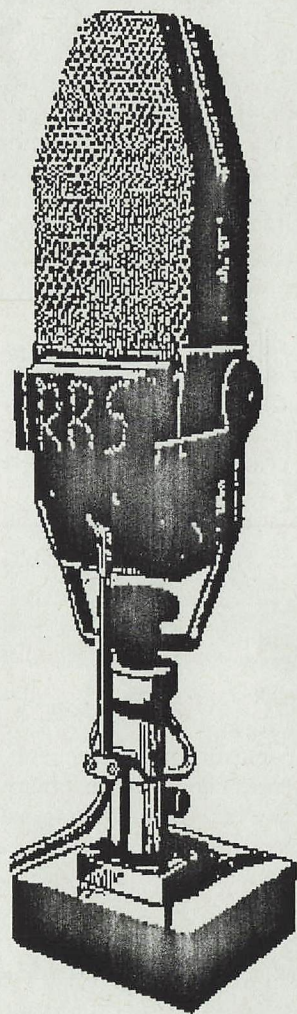
Finally, I want to remind you that all stations that you hear on IRRS will appreciate your comments and usually confirm your reception report if you write to them directly. Please listen to their addresses given on the air during IRRS broadcasts.

We all greatly appreciate your feedback through your letters and phone calls. Please do write again ! Thank you.

Sincerely,



Anna S. Boschetti,  
IRRS QSL Manager



*Please do ask us about our latest frequency  
and programme schedule*

*IRRS - Italian Radio Relay Service  
P.O. Box 10980,  
I-20110 Milano MI,  
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*Phone: +39-2-266 69 71  
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*Introducing ...*

*The European Service of  
IRRS-Shortwave*

**Italian radio relay service**

## Italian radio relay service

IRRS-Shortwave began regular operations in February, 1989 following three months of highly successful programme and equipment tests that brought a virtual flood of spontaneous reception reports from all over Europe, and even from the United States, Canada, Australia, and New Zealand! IRRS-Shortwave is the sister station of IRRS-Globe Radio Milan-FM, which has been serving the international English-speaking community of Italy's most important commercial city since 1982.

### THE IRRS PHILOSOPHY

The decision to start IRRS-Shortwave was taken when it became clear that there was a demand for a reasonably-priced relay facility to cover Italy and Europe to broadcast the programmes of groups and organizations that cannot afford the high rates for airtime charged by other commercial relay facilities. We in the shortwave community are well aware of the effectiveness of this medium in reaching a large audience in Europe. IRRS conceived its shortwave station in the belief that careful engineering using the latest transmission techniques and moderate power could make it possible to offer programme-makers an effective facility that enables every producer to enjoy the benefit of a shortwave relay in Europe.

### OUR PROGRAMMES

Strictly-speaking, as a relay station, IRRS does not produce its own programming, but places its facilities at the disposal of programme-producing clients. However, in the unique evolution of IRRS-Shortwave, we became aware that a large number of listeners regarded us as a station in itself, offering hours of programming that were easy and interesting to stay tuned to. So for this reason, IRRS began

connecting or 'linking' its clients' programmes with radio plays, recording of vintage radio shows, comedy, and music. In this way IRRS offers every listener a wide variety of information and entertainment.

### "HELLO THERE!"

One of our most popular non-relay programmes is "Hello There!", a listener contact show where IRRS acknowledge reception reports and comments on programmes. We also encourage active listener participation by inviting everyone to send us a cassette recording telling us about themselves and where they live. Or, as an immediate means of filing reception reports or personal participation, our telephone service is available 24 hours-a-day, seven days-a-week. Like all shortwave broadcasters today, IRRS very much encourages listeners to let us know how they are receiving us, but equally importantly, we also need to hear their programme comments, which are very valuable in helping our clients produce better and more attractive programming.

### OUR QSL POLICY

IRRS is grateful for all technical reports, comments, and suggestions. Each report will be confirmed with a special QSL card. To help reduce costs, we appreciate the enclosure of two (2) International Reply Coupons (IRCs) with every reception report. This also helps to cover the cost of forwarding reports to IRRS clients, who often respond with a QSL or verification letter of their own.

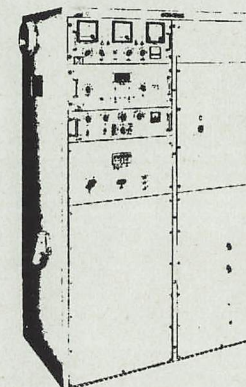
### IRRS: THE TECHNICAL SIDE

Presently, IRRS operates one SIEMENS commercial shortwave transmitter. It is of extremely high quality and reliability, and is rated at 10 kW output over the range of 1.5-30 MHz (continuous). It is fully automatic with a maximum 10 seconds

needed to change any new frequency within this range. Although capable of standard AM (double side-band) transmission, IRRS has chosen to operate with the much more effective and efficient "A3A" modulation, i.e. Single Side-Band, reduced carrier mode. In this way, IRRS achieves the same communication power as a conventional AM transmitter of 30 kW, while remaining completely compatible with non-SSB receivers. In any case, best reception of IRRS, especially in "fringe areas", will be in the "SSB" or "USB" mode of your receiver. Although reception reports indicate a good signal using only built-

in antennas, some form of simple outdoor aerial almost always improves reception. This is especially important in locations beyond ca. 1,500 km from Milan. IRRS uses omnidirectional "L-shaped dipoles", assuring uniform

coverage of our prime target area. The 9 MHz band (31 metres) was chosen for its ability to best compromise between local and DX transmission, serving the densest parts of the European Continent and Northern Africa.



### GOOD LISTENING TO IRRS!

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