

## **Information regarding the satellite transmission of the New Apostolic Church on Pentecost on 22 and 23 May 2010 from Cape Town, (RSA)**

### **1. The event**

A memorable and great day for the members of the New Apostolic Church worldwide: the president of the New Apostolic Church International (NACI), Chief Apostle Dr. Wilhelm Leber, will conduct a divine service in the big Tafelsig church in Cape Town (RSA) on 23 May 2010, which will be transmitted via various satellites and earth stations to nearly 100 countries on all 5 continents.

The sermon will be translated into English at the altar, and simultaneously into more than 20 languages. Because of the time difference, the transmission to North- and South America will be recorded before being broadcasted there later on. The Church administration expects that more than 1,2 million believers worldwide in approximately 5000 churches and chapels will take part in this divine service.

On Saturday, 22 May a festive concert will be performed in our church in Silvertown, CT which will also be transmitted to various countries.

### **2. Recording and transmission**

Both events (concert and divine service) will be recorded by a local film company in our Tafelsig und Silvertown churches and send directly to the earth station Johannesburg, from where the signal will be transmitted via satellite to various African countries as well as to the German earth station in Usingen and further on via glass fibre to the Verlag in Frankfurt.

#### *Transmission in Europe:*

In the Bischoff-Verlag in Frankfurt/Main the signals of approx. 20 translations will be added to the original German English audio signal. An uplink stationed at the Bischoff-Verlag will send the expanded signal to an Eutelsat satellite, which will transmit the service throughout Europe, Northern Africa and parts of Asia. Thus the signal will cover a distance of around 144,000 km between its transmission site in Frankfurt and the various receiving stations, a trip which will require approximately three seconds. More than 1600 New Apostolic Church buildings in this vast area, equipped with satellite dishes and playback units will receive the signal and render it audio-visually.

#### *Overseas transmission:*

The signal – expanded with the French, Portuguese and Spanish translations – will be sent from Bischoff-Verlag back to Usingen, from where it will be beamed via satellite to a second earth-station and send directly via glass-fibre or satellite overseas, where it will be recorded, and send later (North-and South America) or broadcasted directly to the receiving sites via satellite or radio. To Australia and New Zealand the signal will be beamed via glass-fibre from London to Sydney, and will be distributed further.

#### *Transmission via Internet:*

The Pentecost divine service will also be sent via Internet. Participants who are not able to reach a broadcasting congregation and who are authorized by the responsible Church administrations, and equipped with a special access code can receive the signal via Internet. This signal from Cape Town which will be received in Frankfurt (Bischoff-Verlag) will be leaded through encoders and than to a Provider in Dresden who leads the streaming into the Internet. Four streams in different languages, quality and bandwidths are available.

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#### 3. Development of transmissions in Europe

The first audio transmission, originating from Reutlingen (Germany), was already conducted back in 1946 over the telephone network. On 5 August 1951, the first audio transmission on a larger scale was sent by post cable to over 40,000 listeners in various connected sites throughout Germany. The system continued to expand further over the ensuing years.

The beginning of the Eighties saw an increase in sound and picture broadcasts using directional radio, however only a relatively small number of participants could be reached using this technology. For this reason the New Apostolic Church soon decided to conduct its audio-video transmissions using satellite technology. The Church's affiliated Verlag Friedrich Bischoff GmbH in Frankfurt am Main was assigned the task of making this project a reality. After a few test transmissions and the conclusion of an initial installation phase, the first service was successfully transmitted from the Austria Centre in Vienna to more than 800 locations throughout Western Europe on Pentecost 1990.

Since the mid Nineties, the annual Pentecost service has also been transmitted to the USA and Canada, as well as southern Africa, and later also to South America. As of the last years, a number of countries in South East Asia and Australia were also included, which means that the Pentecost service reaches all 5 continents.

Since 2007 the broadcasting can also be received via Internet (see info on previous page).

#### 4. European network

Presently the New Apostolic Church has over 1,600 church buildings in more than 40 countries in Europe and parts of Asia that are equipped to receive divine services via satellite transmission or in certain cases via Internet. The broadcasts now reach an area that stretches from Scandinavia to Madeira, Malta, Cyprus, and Israel, and from the Azores to beyond the Ural region. At times this necessitates simultaneous translation of the sermon into over 20 languages.

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