1. Staff

A section for the Florence-Venice Campaign was established inside the Rome-Centre. It was composed of Mr. Giorgio Torraca (Scientific Assistant), Miss Carolyn Eales Barkay (Personal Assistant to the Director) and a part time secretary (Miss Simonetta Cattani) hired for the purpose.

The work of the section was supervised by Dr. Harold J. Plenderleith (Director Rome-Centre).

Other members of the staff of the Rome Centre contributed as necessary for which compensation was given only in the case it required overtime work.

2. Experts

The Florence-Venice Campaign Section was operated by using experts for single tasks. The experts signed a contract for every mission and received compensation for travel expenses and professional fees. Written reports, when required, were also paid for by arrangement.

The following experts have taken part in this phase of the Campaign: Ing. Giovanni Massari and Dr. Carmine Anemona (CNR Italy - Humidity problems), Mr. & Mrs Paolo Mora (Istituto Centrale del Restauro - mural paintings), Dr. Fausta Gallo (Istituto di Patologia del Libro - biological problems of paper), Mr. J.R.J. Van Asperen de Boer (Holland, humidity problems).

3. Technical Assistance

a. Archaeological Museum. Florence

Salary for one chemist (Dr. Gavino Mura) has been paid for ten months. Dr. Mura was also subjected to a rapid training programme including missions to Rome (Istituto Centrale del Re-
stauro and Rome Centre Laboratory), Brussels (Institut royal du patrimoine artistique) and Milan (Istituto Sperimentale Metalli Leggeri).

The Centre assisted in planning the new scientific laboratory and arranged the loan of ultrasonic equipment from USA to the Archaeological Museum.

b. Palazzo Davanzati - Restoration Laboratory for Minor Arts - Florence

Dr. Valerio Malaguzzi, the local chemist supported by CRIA, was given financial help for educational trips to Brussels and Rome.

A complete technical documentation was established in Palazzo Davanzati under supervision of the Rome Centre, with the added help of a Belgian donation to the Centre. The documentation was selected by Miss Joyce Plesters of the National Gallery of London.

Mr. Fried Rosenstock, librarian of Palazzo Davanzati, came to Rome for a training stage of a week in the Centre's Library, on financial support by the Rome Centre.

c. Istituto Centrale del Restauro - Rome

The Centre gave financial support to experiments of the Istituto on the final treatment of flooded panel paintings. One large size painting, a rather extreme case of deterioration, was transferred to Rome and completely restored by means of a new semi-transfer technique. All the expenses (materials and transportation) were covered by the Rome Centre.

d. Biblioteca Nazionale - Florence

The Rome Centre gave financial support to the setting and testing of a large size vacuum sterilizer.

The Rome Centre assisted in planning the reproduction of the library catalogue.

e. Archivio di Stato - Florence

The Rome Centre financed a survey of humidity conditions in the walls of the Archive and of the future laboratory.
f. Mural Paintings - Florence

Ing. Massari provided technical supervision in the drying of walls supporting mural paintings, under contract with the Rome Centre.

g. Humidity Problems - Venice

Local authorities asked the Centre to prepare and execute a plan for the study of humidity inside monumental buildings.

Several missions by Ing. Massari resulted in a plan concentrated upon three churches, which should be executed in 1968.

Mr. Moraru (Rumania) studied the possibility of applying electro-osmosis procedures to the drying of walls in Venice. A programme was agreed with Ing. Massari involving further experiment in Rome in 1968, previous to application in the field.

Mr. Vos (TNO-Delft) was contacted to check the possibility of employing a new method of continuous measurement and recording of humidity in walls. He carried out a mission in Venice with two assistants under contract with the Rome Centre and drafted a detailed plan to be executed also in 1968.

Three thermohygrographs were bought to secure adequate recording of ambient conditions in the locations selected for study.

Deterioration processes of stones inside buildings were studied by means of chemical and X-ray diffraction analyses of deteriorated materials. Analyses were carried out by the Institute of Applied Chemistry of Rome University.

h. Mural Paintings - Venice

An experiment of preservation of frescoes on the walls (i.e. without detachments) was started in the church of San Sebastiano under the care of Mr. Paolo Mora.

i. Missions

The Florence/Venice Campaign Section of the Centre carried out 31 missions in Florence, 10 missions in Venice and 1 mission in Paris.

Experts under contract with the Centre carried out 3 missions in Florence, 14 missions in Venice and 2 missions in Rome.
4. Secretary of Mr. Machado

Upon request by UNESCO (Mr. Vrioni) the Centre paid the salary of Mrs Francine Virduzzo, Secretary of the Rome, office of Mr. Machado.

5. Shipping of Equipment - Customs

The Centre supervised the delivery of various pieces of equipment donated or loaned from UNESCO or other foreign sources.

6. Selection of non-Italian restorers

The Centre established a card index of all offers of help by individuals. Answers were sent to all people offering help and contacts were established between the useful volunteers and the interested Italian authorities.

The Centre acted for the Soprintendenza alle Gallerie of Florence in recruiting non-Italian restorers for the Fortezza da Basso. This operation was very successful, leading to the establishment of official teams by Russia, Poland, Czechoslovakia, Austria and Germany in the restoration laboratory.

USA, UK and Scandinavian countries established teams through direct contact.

Hungary and Rumania may participate in the operation shortly.

The support of non-Italian restorers has been welcomed in promoting the progress of the restoration work, which is now far ahead of the estimated schedule.


Rome, 27th December 1968

1. Staff

No special planning for the Florence/Venice Campaign was established this year. The Centre Staff did not receive special compensation for work given for the Campaign.

Special secretarial work was required only twice, for a limited time.
2. **Experts**

Experts were hired for definite tasks, according to the scheme which proved successful in 1967 (see relevant report).

The following experts took part in the 1968 Campaign:

Ing. Giovanni Massari (CNR - Italy, Humidity Problems)
Ing. Giovanni Mannoni (CNR - Italy, Humidity Problems)
Dr. Glauco Zorzini (Padova University, Humidity Problems)

Experts from the TNO Instituut Delft worked under a special contract (see Vos Project Page 2).

3. **Technical Assistance**

a. **Archaeological Museum. Florence**

Salary for the chemist (Dr. Gavino Mura) was paid for the whole year.

b. **Soprintendenza alle Gallerie. Florence**

Assistance to the Fortezza da Basso Laboratory was continued, although on a reduced scale compared with 1967.

Two members of the staff of this Laboratory received subventions for missions to Rome having an educational character.

c. **Humidity Studies - Massari, Venice**

Ing. Massari and Ing. Mannoni studied the Church of S. Maria dei Miracoli with the cooperation of the local Soprintendenza ai Monumenti. The problem was also discussed with an expert from a leading Italian firm, specialized in heating and conditioning problems.

A complete project of rehabilitation of the monument was realized.

Ing. Massari studied also the setting of the measuring probes of the Vos apparatus in the Church of S. Sebastiano.

d. **Vos Project**

Difficulties met in the import of the Vos apparatus resulted in a delay of three months and in increased costs of the operation. The setting up of the experiment was made on October 1st and the first actual measurements were taken on October 14th.
Previously Dr. Torraca and Dr. Zorzini had visited the TNO Instituut in Delft to plan the experiment with Dr. Vos.

The experiment will run until Sept. 30th 1969.

A first technical report on the project will be submitted to the Centre during April 1969.

e. Monuments Survey. Venice

The Centre provided administration and technical liaison services for UNESCO Monuments Survey in Venice.

f. San Gregorio Laboratory. Venice

The purchase of technical literature was subventioned by the Centre.

g. Missions

The Centre staff carried out 11 missions in Venice, 7 missions in Florence and 1 mission in Delft.

Experts under contract with the Centre carried out 4 missions in Venice and 1 mission in Delft.