INTERNATIONAL CENTRE FOR THE STUDY OF THE PRESERVATION AND THE RESTORATION OF CULTURAL PROPERTY

AG6/3
Rome, January 1971

GENERAL ASSEMBLY
6th Session
Rome, 26, 27, 28, 29 April, 1971

REPORT TO THE COUNCIL
(Activities carried out in 1969-1970)
With the growth of the Centre and the proliferation of its activities it seems to be inevitable that a biennial statement such as the present one, which has any claim to being comprehensive, will gradually tend to assume the character of a statistical report.

If this is so it may tend to defeat its own ends unless the contents are readily understood and can be collated with those of other documents as, for example, Document AG5/5 which deals with the basic principles governing the development of the Centre (Approved by AG5/1969, cf. "The First Decade" 1959-1969, pp. 55-61). In order to facilitate comparative study an identical numerical procedure is adopted in the present report to that of AG5/6 which deals with the programme and budget for 1969 and 1970.

Thus, it is hoped to make clear how the services of the Centre have been uninterruptedly extended to an increasing number of countries and, by deduction, to give some idea of how the Centre itself is maturing as an International Organization.
I. - ADMINISTRATION

1. New Members.

Since the 1st January 1969, three countries have joined the Centre, bringing the total number of members up to 52:

- Nepal in June 1969
- Sweden in October 1969
- Tunisia in July 1969

The Smithsonian Institution, Washington, joined the Centre as an associate member in June, 1970.

2. Council Meetings

The Council met in Venice, on April the 11th and 12th, 1969 before the General Assembly and on April 17th and 18th, after the conclusion of the General Assembly. It met again for its 16th session from the 1st to the 3rd of June, 1970, in Rome. A restricted committee, comprising the President, the Vice President, representatives from UNESCO and the Italian Government, and the Director, met in Paris at the beginning of May 1970, to study the problems relating to the selection of candidates for the post of Director of the Centre.

3. Staff

- During its 16th session, the Council unanimously named Mr. Paul Philippot, Assistant Director, as its candidate for the post of Director of the Centre.
- Mrs Elizabeth Haswell Ambrosi was engaged as a bilingual typist (English-Italian), to start from 1st March 1970.
- Miss Margherita Bracci Testasecca was engaged as an interpreter and translator, to start from 1st July, 1970, and after a temporary engagement of 8 months.
- Mr. Gaël de Guichen was engaged as an Assistant for the courses and in the laboratory, to start from 1st August, 1970, and after a temporary engagement of 8 months.
- Miss Carolyn Eales Barkay left her post at the Centre on 31st December, 1970.
The Centre has temporarily appointed the following special collaborators:

- Mrs. Angelica Spaldi-Grosslercher, as an Assistant for the Course on the Specialization in the Study and Conservation of Mural Paintings and for the training courses at the Istituto Centrale del Restauro organized by the Centre, from the 1st January to the 1st July, 1970.

- Mr. Tomislav Marasovic, as Assistant for the Course on the Conservation of Monuments, from January to June 1969 and December 1969 to June 1970.

- Miss Ingrid Brock, as Assistant for the Course on the Conservation of Monuments, from November 1970 to June 1970.

- Mr. G. Bultinck for research into the conservation of unbaked bricks, from February 1968 to January 1972.

4. Premises

From February 1st, 1970 the Centre has rented an apartment on the fourth floor of the building situated at 221 via Cavour, and has installed two classrooms, one of which is equipment with apparatus for simultaneous translation, given by UNESCO, and the other with drawing tables.

It has also acquired, at the beginning of 1970, a FIAT 850 FAMILIARE car, for the transportation of people or equipment.

II. ACTIVITIES

1. Library and Documentation

1.1 Acquisitions. From the 1st January 1969 to the 31st December, 1970, the Library bought 346 books, 43 periodicals (subscriptions), 220 re-prints or photocopies of articles, 9 single issues of magazines, and three micro-films. The Gulbenkian Foundation grant being exhausted, the Centre Budget financed these acquisitions.

The development of the Library has made it necessary to extend the shelf space into all the offices of the Centre.
1.2 Card Index. The card indices of specialists and special institutions have been much developed. The systematic classification of books and reprints was revised on the occasion of a visit to Rome of Mr. J.R.J. Van Asperen de Boer.

The 1966 No.1 and 1967 No. 4 issues of Art and Archaeology Technical Abstracts were annotated for the Centre by the Centraal Laboratorium voor Onderzoek van Voorwerpen van kunst en Wetenschap, Amsterdam; the analytical codes were in CDU, as used in the Laboratory Library, so as to facilitate their classification in the systematic card index of the Centre.

1.3 Service for the Distribution of Xerox Copies. Requests are increasing for specialised bibliographies and xerox copies, especially of reports presented to meetings of the ICOM Committee for Conservation. 53 institutions in different countries (Australia, Belgium, Canada, Denmark, France, Germany, Ghana, India, Israel, Italy, Netherlands, Norway, Spain, Sweden, Tunisia, U.K., U.S.A., USSR) have been supplied with material, either free of charge, from the stock of mimeographed copies, or else for payment of expenses. The Library has furthermore replied to several requests for bibliographic information about particular problems involved in conservation and restoration. The Library regularly exchanges lists of acquisitions with the libraries of the Institut Royal du Patrimoine Artistique (Brussels), the Centraal Laboratorium voor onderzoek van voorwerpen van kunst en wetenschap (Amsterdam), the Henry Francis Du Pont Winterthur Museum (USA), the Instituto José de Figueiredo (Lisbon) and the Centro latino-americano de estudios para la conservacion de bienes culturales (Mexico).

1.4 Training period

Mr. Henrique Nuno Gomes de Avellar, librarian-documentalist at the Instituto José de Figueiredo in Lisbon, completed a training period at the library of the Centre during the month of February, 1970, in order to study the system of documentation and the analytical card index.
2. Publications

2.1 Centre - ICOM Series

During 1969 the following were published by Eyrolles, Paris:

- "Problems of Conservation in Museum". A selection of papers presented to the joint Meeting of the ICOM Committee for Museum Laboratories and the ICOM Committee for the Care of Paintings held in Washington and New York from September 17 to 25, 1965.

- Françoise Flieder, "La conservation des documents graphiques: Recherches expérimentales"

To be published soon:

- Giovanni Massari, "Bâtiments humides et insalubres. Pratique de leur assainissement".

Being translated:

- Bruno Mühlethaler, Lars Barkmann and Detlef Noack, "The Conservation of waterlogged wood and wet leather"

- D.M. Flyate (editor), "The Conservation of paper and Documents"

Being prepared:

- Paolo Mora and Paul Philippot, "La conservation des peintures murales"

- Robert Organ, "Electrolytic and electro-chemical treatment of metal antiquities".

2.2 Lecture notes in offset

The development of lecture notes intended for students attending the courses organised by the Centre has led to the creation of a new series of publications in offset, which has been undertaken by Miss C. Eales-Barkay. The following were issued on 21 December, 1970:

- Piero Gazzola, "The Past in the Future"

- Giovanni Massari, "L'Umidità nei monumenti"

- Hans Foramitti, "La photogrammétrie au service des conservateurs"
- François Sorlin, "Principes et méthodes de sauvegarde et de réanimation du patrimoine culturel immobilier"
- Giorgio Boaga, "Introduzione al rilievo fotogrammetrico dei monumenti"
- Edgar Schultze, "Techniques de conservation et de restauration des monuments, terrains et fondations"

Being prepared:
- Giovanni Massari, "Humidity in Monuments" (translation from the Italian)
- Marc Mamillan, "Pathology of masonry materials" (translation from the French).

Note:
A mimeographed bibliographic guide, intended for students of the course on specialization in the conservation and restoration of monuments and historical sites, has been drawn up by Mr. Italo Carlo Angle.

2.3 Commemorative Booklet, "The First Decade, 1959-1969"
The Council's report to the 5th General Assembly, revised and enlarged, was published in the form of a booklet resuming the activities of the Centre since its creation, and describing the main lines of its future development.

3. Training of Conservation Specialists
The Centre pursued its work in the training of conservation specialists, as in the past, in two ways: annual courses and individual training periods.

In a general way, the teaching has become considerably more efficient, thanks to the installation of simultaneous translation equipment (gift from UNESCO) and the engagement of Miss Margherita Bracci as interpreter.

3.1 Course of Specialization in the Conservation of Monuments and Historical Sites
This course, organized in collaboration with the Faculty of Architecture of Rome University, under the scientific direction of Prof. Guglielmo De Angelis d'Ossat, was attended
by 44 students from 22 different countries during the academic year 1968-69. The countries represented were as follows:

Afghanistan, Belgium, Bolivia, Brazil, Cambodia, Ceylon, Czechoslovakia, Greece, Iran, Italy, Japan, Jugoslavia, Mexico, Pakistan, Peru, Poland, Rumania, Spain, Turkey, URA, USA and Vietnam.

The course comprised 237 hours of theoretical lectures, 79 hours of seminars, about 100 hours of visits with guide and 150 hours of practical work on the sites, which represents a considerable development of practical activities, as compared with previous years.

In collaboration with the Tunisian "Service des Monuments Historiques", the students visited this country to make a thorough analysis of the Medina of Sfax. At the end of their mission, a complete report, accompanied by graphic material, was handed to the competent Tunisian authorities (April, 1969).

In May, the students went to Jesi (Ancona) to carry out a detailed analysis of the urban structure of the oldest part of the town, and also of the main architectural elements and of the stability and conservation conditions. This research made it possible to identify the old Roman theatre. The work will be the subject of a publication, and a project for the conservation and rehabilitation of the town.

The students also took part in archaeological excavations in the Forum (Rome) and visited a series of restored monuments and historical towns in Italy and Tunisia.

At the end of the course, groups of students took part in training programmes organized by the Centre at Bordighera (Archaeology), Jesi (to finish the work started previously), and Split (study of historical sites).

During the academic year 1969/70 the course was attended by 35 students from the following 20 countries: Algeria, Austria, Belgium, Colombia, Finland, France, Germany, India, Indonesia, Iran, Iraq, Israel, Italy, Jugoslavia, Morocco, Poland, Sweden, Turkey, USA, and USSR).
The programme of theoretical lectures was not changed, but a permanent collaboration has been established with the office of the Superintendent of Monuments of Rome and Latium, directed by Prof. Pacini, in order to enable the students to participate systematically in the restoration of a given monument. They were thus able to take part in the final phase of the restoration of the "Palazzo Diaconale" near the church of S. Maria in Cosmedin, and, divided into teams, to undertake studies preliminary to the restoration of the church of S. Teodoro al Palatino. (archaeological study of a very complex situation, study of the problems of statics and humidity, and rehabilitation). The project for restoration was worked out by a special group, on the basis of the information contributed by the other teams.

A group of 12 students, including in particular those from the Middle East and Magreb, went to Tunisia (1-15 May, 1970) to undertake studies of the Medina of Testour, under the direction of Prof. G. de Angelis d'Ossat and of Prof. Zander. This training session took place at the invitation and with the collaboration of the competent Tunisian authorities.

From the 21st March to the 5th April, the students made a study trip to Korčula (Dalmatia), where a training session had been organized for them by the Town Planning Institute of Dalmatia. They made a thorough analysis of the historical town, and the material they collected was further studied in Rome under the direction of the Professors and Assistants of the Course. The works of the stage were supervised by Prof. Gazzola and Dr. Marasovic.

A special seminar on the use of photogrammetry was held from 17 to 19 February, directed by Mr. Carbonell and Mr. Foramitti.

Further practical training at Segovia

Because of the extreme importance of practical training in the field, to complete the teaching given in Rome, the Centre was happy to be able to accept an offer from the Spanish authorities, and to involve itself in the organization of a Centre for further practical training established in Segovia in an old gothic palace. This Centre will be at the disposition of students of the Centre in Rome, especially those from Latin America or Islamic countries, who, having completed their studies in Rome, wish to study Spanish and Hispanic-Islamic monuments and historical centres.
3.2 Course of Specialization in the Examination and Conservation of Mural Paintings

During the academic year 1968/69, 10 students followed the training programme (1st March - 30th June 1969). They came from the following 7 countries:
Austria, Belgium, Cyprus, France, Germany, Nepal, Spain.

Following the programme, the course comprised a cycle of 40 hours of theoretical lectures, practical exercises at the Istituto Centrale del Restauro (execution of a mural painting, fixing, detaching, and application on a new support), a training period of six weeks on a site at Sermonteta, by courtesy of the Princess Caetani, and study trips to Tarquinia, Assisi, Arezzo and Pompei.

For the academic year 1969/70, the number of registrations accepted was exceptionally raised to 15, taking account of the fact that some students could only participate in the course during one month. The following 11 countries were represented:
Austria (2), Ceylon, Cyprus, Denmark, France (2), Germany, Holland (2), India, Poland, Sweden, U.K.

3.3 Participation by the Centre in Various International Courses

During the academic years 1968-69 and 1969-70, the Centre took part in the following:
- Ankara, Middle East Technical University, Department of Conservation and Preservation of Monuments, 1969.
- Mexico, Centro latinoamericano de estudios para la conservación y restauración de bienes culturales, 1969 and 1970.
- New Delhi, Conservation Seminar, 1969
- Santander, University, 1970.

(see details under para. 8,2 (Missions)).
3.4 Meeting of experts on the problems of training conservation specialists (Doc.)

The Centre organized, in Rome, the 28th and 29th May, 1970, a meeting of a dozen experts chosen among those with the most experience in the problems of training conservation specialists. The conclusions formed at this meeting, i.e. the principles on which the participants agreed unanimously were drawn up in a document which was sent to ICOM for distribution in the "Nouvelles de l'ICOM", and form a precious basis for the establishment of the Centre's programmes for the training of specialists.

3.5 Individual and Collective Training Programmes organized with the help of the Centre

- In 1969 and in 1970, the Centre organized two group courses of about three weeks each, for Swedish architects, who wished to learn something of the problems of conservation of monuments.

The first course was organized for a group of architects and conservationists directed by Mr. B. Blomé, a former student of the course on the specialization in the conservation of monuments, and took place from the 13th to 16th October, 1969. The programme comprised short lectures on the problems of the conservation of monuments in Italy and a series of guided visits to restored monuments.

The second course was organized at the request of the School of Architecture of the Royal Institute for Advanced Studies in Stockholm, and took place from the 21st-23rd April, 1970. The Centre put the Swedish group in touch with the Italian institutions, and helped it to arrange its programme. The Centre also organized, in collaboration with Mr. Spagnesi and the Municipality of Rome, a special 3 day seminar on the problems of conservation and rehabilitation of the historical centre of Rome.

In addition, the Centre organized for a group of 22 architects from the Soviet Union a conference on the activities of the Centre, with particular attention to the course of specialization for architect-restorers.
Individual training sessions organized with the help of Centre during the academic years 1968-69 and 1969-70 were as follows:

- Mr. L.K. Karunaratne (Ceylon) - trip to England
- Mr. B. Sing Thapa (Nepal) - training session in Florence on the conservation of wood and books (Biblioteca Nazionale Centrale)
- Mr. S.K. Bhowmik (India) - Training programme of six months at the Centraal Laboratorium in Amsterdam and visits to laboratories in London, Brussels, Paris, Rome and Florence (JDR 3rd Fund Scholarships)
- Mr. R. Sanchez (Spain) - training period at the Centre's laboratory
- Mr. Ali Benrejdal (Algeria) - training period at the Centre's laboratory and at Sermoneta (course in mural paintings)
- Miss A. Kruse (Belgium) - training period of 6 months at the Istituto Centrale del Restauro
- Miss A. van der Pas (Belgium) - training period of 4 months at the Istituto Centrale del Restauro
- Mr. M. Sourjah (Ceylon) - training period of 2 months at the Istituto Centrale del Restauro
- Mr. A. Anastasiades (Cyprus) - training period at the Istituto Centrale del Restauro and at Florence
- Mr. C.B. Gupta (India) - chemist at the laboratory of the National Museum in New Delhi: informational training periods in London, Amsterdam and Brussels (scholarships from the Dutch Government and the JDR 3rd Fund)
- Mr. Antoni Szoc (Poland) - head of the restoration workshop in Wroclaw
- Mrs. A. Kydrynska (Poland) - Conservation of Monuments Office, Cracow.

The Centre also drew up study and travel programmes for the following students on UNESCO scholarships:

- Mr. Serghei S. Podjapolski (USSR), architect
- Mr. Milos Reichert (Czechoslovakia), Engineer, architect, head of the Architecture Workshop at the State Institute for the Reconstruction of Towns and Historical Monuments, Prague
- Prof. Jorge Lujan Munoz, University of San Carlos, (Guatemala)
It also helped to organize study trips in Italy for:

- **Mr. Oleg Chvidkovskii (USSR)**, Assistant Director of the Institute of the History of Art, Moscow
- **Mr. Ivan Makowietzki (USSR)** Inspector General of Monuments in Russia
- **Mr. Henryk Kondziela (Poland)**, Superintendent of Monuments, Poznan
- **Mr. Juan Lopez-Jaen (Spain)**, Head of the Historical Quarter Office, Madrid
- **Miss Teri Oikawa-Picante**, restorer, San Francisco, California
- **Mr. Leszek Itman (Poland)**, Slaskie Museum, Wroclaw
- **Mrs. M. Erdman (Poland)**, Director of the Restoration Laboratory of the town of Jaroslaw

### 3.6 Scholarships

(1) **Scholarships from the Italian Ministry of Foreign Affairs administered by the Centre**

For the year 1968-69, these scholarships were awarded to the following:

- **Mr. Mohamed Farid El Chabouri (UAR)** - 6 months - Monuments Course
- **Mr. W. Götzinger (Austria)** - 4 months - Mural Paintings course
- **Miss Nicole Leromain (France)** - 4 months - Mural Paintings course
- **Mrs. Sanda Negoescu (Rumania)** - 6 months - Monuments course
- **Mr. Eric Schwartz (Belgium)** - 4 months - Mural Paintings course
- **Mr. Ivan Sperling (Czechoslovakia)** - 6 months - Monuments course

For the year 1969-70, they were awarded to:

- **Miss Ingrid Brock (Germany)** - 6 months - Monuments course
- **Miss Anna Chrzanowicz (Poland)** - 6 months - "
- **Mrs. Soraya Ghodweh-Bassiri (Iran)** - 2 months - Monuments course
- **Mr. Kostas Hasapopoulos (Cyprus)** - 4 months - Mural Paintings course
- Miss A. Kruse (Belgium), 6 months - training period at the Istituto Centrale del Restauro
- Mr. Tarki Liede (Finland) - 3 months - Monuments course
- Mr. Zbigniew Majcherowicz (Poland) - 4 months - Mural Paintings course
- Miss Gouhar Azim Shemdin Agha (Iraq) - 6 months - Monuments course
- Miss Claire Smith (U.K.) - 4 months - Mural Paintings course
- Mr. Mohamed Tazi (Morocco) - 6 months - Monuments course
- Mr. Willem Haakma Wagenaar (Holland) - 4 months - Mural Paintings course.

For the academic year 1970-71 they have been awarded as follows:
- Arch. Haralampy Haralampiev Anichkin (Bulgaria) - 6 months Monuments course
- Mrs. Alena Fazinic (Jugoslavia) - 6 months - Monuments course
- Arch. Waldemar Lysiak (Poland) - 6 months - Monuments course
- Arch. Christian Moisescu (Rumania) - 6 months - Monuments course
- Arch. Moritz Raeber (Switzerland) - 6 months - Monuments course
- Mr. Kassem Hassan Toueir (Syria) - 6 months - Monuments course
- Mr. Elie Abboud (Lebanon) - 4 months - Mural Paintings course
- Mr. Hussein Agagiani (Iran) - 4 months - Mural Paintings course
- Mr. Ali Benrejdel (Algeria) - 4 months - Mural Paintings course
- Mr. Buyng-mo Kim (Korea) - 4 months - Monuments course

(2) Scholarships made available to the Centre by the JDR 3rd Fund Foundation

These scholarships were awarded to the following:
- Mr. R. Vishwanathan (India) - 6 months - Monuments course
- Mr. Soediman (Indonesia) - 7 months - Monuments course
- Mr. C.B. Gupta (India) - 5 months - Mural Paintings course
- Mr. B. Mohamed Al Rashid (Malaysia) - 10 months - Monuments course
- Mr. Tara Nanda Mishra (Nepal) - 10 months - Monuments course

(3) Additional grants awarded by the Centre

During 1969 and 1970, the Centre awarded additional grants to the following, for the purposes stated:
- Miss F. Racine (France) - IRPA, training period
- Mr. E. Schwartz (Belgium) - to help finance a trip
- Mr. J. Saez Aragones (Spain) - to help finance a trip
- Mr. Ali Benrejdal (Algeria) - training period at the Centre
- Mrs. Sanda Negoeescu (Rumania) - archaeology training period
- Mr. M. Georgopoulo (Greece) - archaeology training period
- Mr. K. Machaltova (Czechoslovakia) - to help finance a trip
- Mr. R. Sanchez (Spain) - to help finance a trip
- Mr. P. de Azevedo (Brazil) - to help finance a trip
- Mr. M. Mesarina (Peru) - to help finance a trip
- Mr. A. Saavedra (Bolivia) - to help finance a trip
- Mr. L.K. Karunaratne (Ceylon) - to help finance a trip
- Mrs. M. Gamboa (Mexico) - training period in Split
- Miss E. Marin (Mexico) - training period at the Istituto Centrale del Restauro
- Mr. M. Stefanaggi (France) Mural Paintings course
- Mr. R. Baudouin (France) Mural Paintings course
- Mr. G. Ten Kate (France) Mural Paintings course
- Mr. H. Scholz (Federal German Rep.) Mural Paintings course.

4. Statute for Restorers

Following a decision of the Council, a committee consisting of Mrs. G. Tripp and Messrs. P. Rotondi, René Sneyers and P. Philippot met in Rome on February 16th and 17th, 1970, to study the question of the Statute for Restorers (except in the field of architectural restoration and set out Document C16/5 which in conclusion presents a project for a Statute for Restorers.
5. Promotion and Coordination of Research

5.1 ICOM Committee for Conservation

The Centre took an active part in organizing the meeting of the ICOM Committee for Conservation, which was held in Amsterdam from the 12th to 14th September, 1969.

5.2 Coordination of Working Groups

5.2.1 Polychrome Sculpture

Mr. Philippot coordinated a working group of the ICOM Committee for Conservation, charged with the examination and conservation of polychrome sculptures. A work meeting took place in Amsterdam in September, 1969, during the Committee meeting.

Mr. Philippot also drafted a study of the archaeological and aesthetic problems involved in the restoration of polychrome sculpture, and this was presented to the IIC Conference in New York in June, 1970.

Symposium on the restoration of the "Salutation Angelique" of Veit Stosz, Nuremberg, 20-26 September, 1970 (Doc.)

The Centre organized a meeting of specialists to discuss the problems involved in the restoration of the "Angel's Greeting" of Veit Stosz. The meeting was organized as part of the programme of the ICOM working group on the examination and conservation of polychrome sculptures, and with the participation of the Ministry of the Interior of the Federal German Republic, the Ministry of Education and Culto of Bavaria and of the Bayerisches Landesamt für Denkmalpflege. The participants, 30 in number, were divided between restorers, - including all the restorers engaged in the work - representatives of Departments for the Conservation of Monuments, art historians and laboratory specialists. They came from the following countries: Austria, Belgium, Czechoslovakia, Holland, Hungary, Italy, Poland, Portugal, Sweden, Switzerland, USSR and the Federal German Republic, having been chosen for their previous experience of analogous problems in these countries.

The exchange of opinions made it possible on the one hand to specify the problems raised by the piece being
restored, with possible solutions, and on the other to inform the participants of the best methods for organizing and realizing the work in the case of a particularly vast and complex piece.

5.2.2 Mural Paintings

The section dedicated to the history of mural painting techniques was drawn up and presented in the form of stencilled notes for students of the Mural Paintings course. Documentation is regularly issued on the examination and conservation of mural paintings.

5.3 Contracts

5.3.1 Drainage of walls by electro-osmosis

The experiments begun in 1968 were completed in the summer of 1969. Since the members of the working group did not agree on the interpretation of the results, the report was not published. No further field experiment is foreseen, while laboratory research is being continued in Rome University by the Italian Group.

5.3.2 Conservation of Mud-brick Structures

Three field experiments were carried out in Iraq by Mr. Bultinck with the cooperation of specialists from Turin University (September-October 1969, March-April 1970, September-October-November 1970). Mr. Torraca joined the field team in October 1970 for a first evaluation of results. An introductory report was presented by Mr. Torraca to the New York IIC Meeting. The Centre cooperated also with ICOMOS for the preparation of a technical meeting on the conservation of mud-brick structures, to be held in Iran in October 1971.

5.3.3 Centre Conservation Documents Graphiques

Mme Flieder submitted a summary of activities carried out by an assistant paid with the Rome Centre's subvention. This considerably aided the formation and initial survival of this new scientific unit which might be exploited later as part of an international training scheme.
5.3.4 **Corpus Vitrearum**

The Centre financed a meeting of the Technical Committee of Corpus Vitrearum Medii Aevi held in Berne on February 19, 1969, where Dr. Mühlethaler was delegated to represent the Centre. Help was also given for the general conference of the Corpus (Florence 12-17 June, 1970) by manifolding the technical documentation. Mr. Torraca took part in the meetings on conservation problems.

6. **Special Projects**

6.1 **Humidity Studies - Venice**

The experiment of Mr. Vos on the study of microclimate and automatic measurement of humidity in walls lasted from October 1968 to November 1969. Unfortunately a breakdown of the apparatus stopped the recording for three months (late spring to summer 1969). Mr. Vos issued a partial report in 1969 and then a final one in 1970. A team from Padua University, subventioned by CNR-Italy, acted as the local counterpart to Mr. Vos.

A meeting of eight experts was called by the Centre in Venice (March 27-28, 1969) to supervise the results of the Vos and Massari research work and set out the future programme.

Mr. Massari continued his research on the improvement of the microclimate inside public buildings in Venice, partially supported by the Centre. The first step in the rehabilitation of the Miracoli Church, i.e. the insertion of a special damp-proof course, was carried out in the Spring of 1969 under the supervision of Mr. Massari, the main operation being financed by a German Fund collected for the purpose.

Study of conditioning systems was further advanced by Mr. Massari through technical meetings with experts of commercial enterprises and laboratory experiments in Rome. Further proposals were advanced in a report to the UNESCO meeting on stone preservation in Venice (September, 1970).

Experiments by Mr. Cox, demonstrating his system of injecting a damp-proof course in walls, were occasionally followed by Mr. Torraca in a Venetian villa (June 28/29, 1970). A first examination of results is due in June 1971.
Mr. Torraca attended the second "International Meeting on Venice" (October 1969) and submitted a report summarizing the technical results of the work carried out by the Rome Centre and its experts in the Venice campaign. Mr. Torraca also attended, as an observer, the meeting of the UNESCO Consultative Committee for Venice (2-5 September 1970). Since the UNESCO subvention for the Florence/Venice Campaign ($9,000 in 1969 and $1,000 in 1970) was not sufficient to cover the entire activity of the Centre in this field, funds for several missions in 1970 were drawn from the normal budget.

Eleven missions in Venice were carried out by the Centre staff and ten by experts for the Centre.

6.2 Conservation Problems in Florence

The Centre paid the salary of the chemist of the Archaeological Museum until June 1969.

Mr. Torraca attended, as an observer, the meeting of the UNESCO Consultative Committee for Florence (January 1969).

Conservation problems in Florence only sporadically called for attention by the Centre in 1969 and 1970, except for the National Library where contacts were kept by Mr. Nkrumah. Dr. Plenderleith and Mr. Torraca attended a meeting in Florence (March 12-14) to discuss the possibility of offering international support to the restoration laboratory of the library, which could be exploited as an international training centre. Dr. Plenderleith was the Chairman of the second session.

The staff of the Centre carried out 5 missions in Florence.

6.3 Mission to Latin America - see Missions

6.4 Course on the Main Principles of Restoration

Mr. Philippot collected material for a course on the principles of the Theory of Restoration, which served as a basis for the lessons given in the Middle East Technical University of Ankara (1969) and at the Centro latinoamericano de conservacion y restauracion de bienes culturales de Mexico (1969 and 1970).
6.5 Problems of Mohenjo-Daro

Dr. Plenderleith and Mr. Torraca attended a meeting in Paris organized by UNESCO in February 1969. During the course of the meeting the Centre proposed a scheme of work on some problems of conservation (damp-proof courses, salt extraction, protective plasters and coatings) involving the full-time use of a new technical assistant, M. De Guichen was hired in November 1969 for that purpose but, since no request of action came from either UNESCO or the Government of Pakistan, he was later employed for field work in Egypt and Tunisia and as a training assistant.

7. Laboratory

Part of the activity was devoted to setting up and operating new equipment particularly for training purposes (simultaneous translation, cinema projector, reproduction of colour slides, metallographic equipment).

A collection of synthetic materials used in conservation was started with funds drawn partly from a UNESCO contract (Emergency Missions) and partly from the normal budget. These materials will be used both for training purposes and emergency work.

Films and colour slides to be used later for training purposes were collected. The laboratory also began a study of a scheme of practical demonstrations devised to illustrate basic principles of conservation science and intended as a part of a conservation science course.

Dr. Plenderleith carried out the restoration of a precious Middle Ages casket (the "Anagni Casket"), upon request of the Soprintendenza of Rome, as a pilot project intended to study the possibility of establishing a small training unit in Rome for similar composite objects. One student from the Istituto Centrale del Restauro (Miss G. Sanmartino) attended the demonstrations and took part in the work.
8. Missions

8.1 Missions to represent the Centre at international meetings, etc.

- Paris (France) - 22 - 25 January, 1969, Dr. Plenderleith and Dr. Torraca
  Executive Committee of ICOMOS.

- Wintherthur and Chicago (USA) - 8-18 May, 1969
  Dr. Plenderleith. Opening of the new gallery and USA Librarians Congress.

- Paris (France) - 12-13 June, 1969 - Dr. Plenderleith
  ICOM Executive Committee.

- Oxford (U.K.) - 6-12 July, 1969 - Dr. Plenderleith
  General Conference of ICOMOS.

- Paris, (France) - 21-25 July, 1969, Dr. Angle
  UNESCO meeting on the establishment of an international code for the protection of
  monuments, sites, etc. of universal interest.

- Leningrad (USSR) - 9-12 September, 1969 - Dr. Angle
  ICOMOS Conference on the place of monuments in society and education (contribution to
  the theme: "Monuments, Culture and Education").

- Amsterdam (Holland) - 12-19 September, 1969 - Dr. Plenderleith, Dr. Philippot, Dr. Torraca.
  ICOM Committee for Conservation. (Contribution by Mr. Torraca on the conservation of
  mural paintings, coordination by Mister Philippot of working groups on polychrome
  sculptures, oriental techniques of restoration of paintings and training of restorers).

- Amsterdam (Holland) - 20-24 September 1969 -
  Dr. Plenderleith. Rembrandt Symposium.

- Pistoia (Italy) - 30 September 1969 - Dr. Torraca
  Meeting on the conservation of cultural property in Italy.
- Lisbon (Portugal) - 1-5 October 1969 - Dr. Plenderleith
  Ceremonial opening of the Gulbenkian Library.

- Paris (France) - 23-29 November, 1969 - Dr. Plenderleith
  UNESCO meeting, "The Museum in the contemporary
  world"

- Brussels (Belgium) - 30 Nov.-2 December, 1969 - Dr. Plenderleith. ICOMOS Executive Committee.

- London (U.K.) - 8 December, 1969 - Dr. Plenderleith
  Conference on the dating of antiquities.

- London (U.K.) - 9-11 March, 1970 - Mr. Philippot
  Meeting of representatives of the Centre, ICOM
  and IIC, to study the coordination of activities.

- New York (USA) - 8-12 June, 1970 - Dr. Philippot and
  Dr. Torraca.
  IIC Conference on the conservation of wood and
  stone. (Contribution by Dr. Torraca on the con-
  servation of adobe structures, and by Dr. Phi-
  lippot on the archaeological and aesthetic pro-
  blems involved in the conservation of polychro-
  me sculptures).

- Boston (USA) - 15-19 June, 1970 - Dr. Torraca
  The Use of Science in the Conservation of Works
  of Art, dating them, and the conservation of
  mural paintings. (Contribution on "The process
  of alteration of mural paintings")

- Venice (Italy) - 21-26 June, 1970 - Dr. Plenderleith and
  Dr. Torraca. UNESCO interdisciplinary conferen-
  ce on the conservation of stone monuments.

- Paris (France) - 24-26 June, 1970 - Mr. Philippot
  Management Council Meeting of the ICOM Committee
  for Conservation.

- Paris (France) - 11-14 October, 1970 - Mr. Philippot
  UNESCO General Conference.

- Paris (France) - 29 Oct.-4 November, 1970 - Dr. Plenderleith
  UNESCO General Conference.
8.2 Ordinary Missions: consultation, study, teaching

- **Munich (Germany)** - 30 Jan.-4 February, 1969 - Mr. Philippot
  Polychrome Working Group.

- **Brussels (Belgium)** - 17-18 January 1969 and 2-3 March, 1969
  Mr. Philippot.
  IRPA. Course within the framework of specialization training in the study and conservation of cultural property.

- **Algeria** - 4-18 March, 1969 - Dr. Plenderleith, Dr. Torraca
  Mission under UNESCO Contract. Study of conservation problems in the country and project for a central laboratory for the conservation of cultural property in Algeria. (M.R.)

- **Ankara (Turkey)** - 15-30 March, 1969 - Mr. Philippot
  Course on the Theory of Restoration, at the invitation of the Middle East Technical University, Department of Conservation and Restoration of Monuments.

- **Munich (Germany)** - 30 June-3 July, 1969 - Mr. Philippot
  Preparation of the mission to Mexico jointly with Mr. J. Taubert.

- **Venice (Italy)** - 14-15 July 1969 - Mr. Philippot
  Problems of Conservation at the Ca' d'Oro.

- **Latin America** - 1-30 October, 1969 - Mr. Philippot
  Course in the Theory of Restoration and Conservation of Polychrome Sculptures at the Centro latinoamericano for the preservation of cultural property, Mexico (under UNESCO contract), and information and contact mission to Lima. (M.R.)
- **Bologna (Italy)** - 23-25 October, 1969 - Dr. Torraca
  International meeting on the conservation of stone. Presentation of a critical introduction to the problem and contribution on the "**Possibilities of seasonal protection for sculptures in the open air**".

- **New Delhi (India)** - 26 Oct.-7 November, 1969 - Dr. Torraca
  Conservation seminar.

- **Egypt** - 28 Dec.1969 - 14 January, 1970 - Dr. Flenderleith, Dr. Torraca and G. deGuichen with the collaboration of Mr. & Mrs Paolo Mora. (Mission under UNESCO Contract). Study of the scientific and conservation laboratory in Cairo, the conservation of coptic icons and mural paintings in the tombs of Nefertari (Luxor) and in the tombs of Beni Hassan.
  The problem of which mortars to use during the reconstruction of displaced temples was discussed with local experts.

- **Turin (Italy)** - 28-29 January, 1970 - Dr. Torraca
  Coordination of work on adobes.

- **Bologna (Italy)** - 6-7 March, 1970 - Dr. Torraca
  Study commission on the preservation of S. Petronio stone.

- **Milan (Italy)** - 14-15 April, 1970 - Dr. Torraca
  Visit to the ENI Laboratory.

- **Bologna (Italy)** - 26-27 April 1970 - Dr. Torraca
  Study Commission on the Preservation of San Petronio stone.

- **Paris (France)** - 4-6 May, 1970 - Dr. Torraca
  UNESCO Borobudur meeting.

- **Bologna (Italy)** - 22-23 May, 1970 - Dr. Torraca
  Study Commission on the Preservation of San Petronio stone.

- **Santander (Spain)** - 4-14 July, 1970 - Dr. Angle
  University course on the conservation and restoration of historical monuments. (M.R.)
South Korea, Japan, Taiwan, 5-28 September, 1970
Dr. Plenderleith.
Consultation on the work for the conservation of the temple of Sokkum (South Korea, 5-14 September) and contacts with the specialized institutions: participation in the international conference on the preservation and development of the historical quarters of Kyoto and Nara (15-25 September) and study of the collections in the Taipei National Palace Museum, at the invitation of the latter (25-28 September).

Bologna (Italy) - 10-11 October, 1970 - Dr. Torraca
Study Commission for the Preservation of the San Petronio stone.

Baghdad (Iraq) - 22-31 October, 1970 - Dr. Torraca
Experiments in the conservation of adobe structures.

Conservation of mural paintings, especially in Moldavia. At the invitation of the Direction of Historical Monuments of Rumania.

Mexico - 8-28 November, 1970 - Mr. Philippot
Course at the Centro latinoamericano for the conservation of cultural property, under UNESCO contract.

Naples (Italy) - 9-10 November 1970 - Dr. Plenderleith and Dr. Torraca
Conservation of the papyrus of Herculaneum.

Brussels (Belgium) - 2-7 December, 1970 - Dr. Torraca
Course at the IRPA and meeting of the ICOMOS-ICOM-ROME CENTRE for the Conservation of Stone.

Note: Mr. Torraca's missions in connection with the Florence/Venice Campaign in 1970 are mentioned in paragraph 6. Mr. Gaël de Guichen completed a training period from 19 October to 23 December, 1970 at the laboratory
of the British Museum, to study the technique used there, with a view to the preparation of a projected course at the Centre, on "Fundamental Principles of Conservation."

8.3 Urgent missions

- **Piva (Jugoslavia)** - 27-30 May, 1969
  Messrs Plenderleith and Philippot. Advice on moving the church of the monastery of Piva, with its frescoes, made necessary by the construction of a dam.

- **Kairouan (Tunisia)** - 1-7 September, 1969 -
  Mr. Luciano Maranzo. Transposition of a mural painting in the mosque at Kairouan (UNESCO urgent missions fund).

- **Peru** - 10-30 September, 1970 - Mr. Manuel del Castillo Negrete. Survey on the needs of the local authorities for the conservation of monuments and cultural property damaged in the earthquake of May 31, 1970.

Other urgent missions requested by member countries

- **Sudan** - The Assistant Commissioner for Archaeology asked in October 1970 the urgent intervention of the Rome Centre to control the deterioration of stones of the Buhen Temple, recently transferred from Wadi Halfa to Khartoum. Samples of deteriorating stone were analyzed in Rome and a general line of action was established. An emergency mission organized by the Centre has been tentatively proposed for 1971.

- **Tunisia** - Preservation of a wood sarcophagus of the Punic Period. Request for help originated from the Institut National d'Archéologie et d'Arts in June 1970. The Centre organized a mission by an expert of the Swiss National Museum but the scheme failed when the Tunisian authorities conveyed their approval too late. Since the Swiss Museum is now
unable to send its expert, the Centre is presently sending M. de Guichen for a rapid course of training in practical methods of preserving wood in their laboratory under the guidance of Mr. Mühlethaler. However it is not sure whether the mission will really take place since it is known that the Tunisian Institute has also sent official requests for help to three foreign countries (Belgium, Italy, and Spain).

9. Technical Consultations

TC 1/69  Clos - Spain - X-ray examination of paintings.
TC 2/69  Wright - India - Stone Treatment, Tiruchirapalli temple
TC 3/69  Kirkman - Kenya - Mortar, Fort Jesus, Mombasa
TC 4/69  Desta - Ethiopia - Stone Treatment, Lalibela
TC 5/69  Del Monte - Rep. Dominican - Laboratory for the Conservation of Paintings
TC 6/69  Gazzola - ICOMOS - Consolidation of Soil in Foundations
TC 7/69  Lal - India - Red Fort, Accretions on Sandstone
TC 8/69  Rhéame - USA - Restoration of Plasters
TC 9/69  Nicolau - Cyprus - Heating System, Museums.
TC 1/70  Gupta (India) - Flat pH Electrode for Paper
TC 2/70  Sealey - Canada - Indian Rock Paintings
TC 3/70  Kunze - USA - Stone conservation
TC 4/70  Milojcic - Germany - Mosaics, Conservation in Situ
TC 5/70  James - USA - Conservation Centre in Tucson
TC 6/70  Hyvert - Nepal - Various Conservation Problems.
TC 7/70  Alkalaj - Israel - Fumigation Chambers
TC 8/70  Walker - Australia - Electro-osmosis
TC 9/70  Muraro - Italy - Painting restoration in Venice
| TC 10/70 | Miller - USA/Turkey - Mural Paintings in Göreme |
| TC 11/70 | Paternotte - Jordan - Jerash - Consolidation of ruins |
| TC 12/70 | Hanna - Egypt - Philae - Mortars |
| TC 13/70 | Findlay - England - Flag Conservation |
| TC 14/70 | Curiel - France - Laboratory for Conservation of Coins. |
| TC 15/70 | Akasha - Sudan - Air conditioning of Khartoum Museum. |