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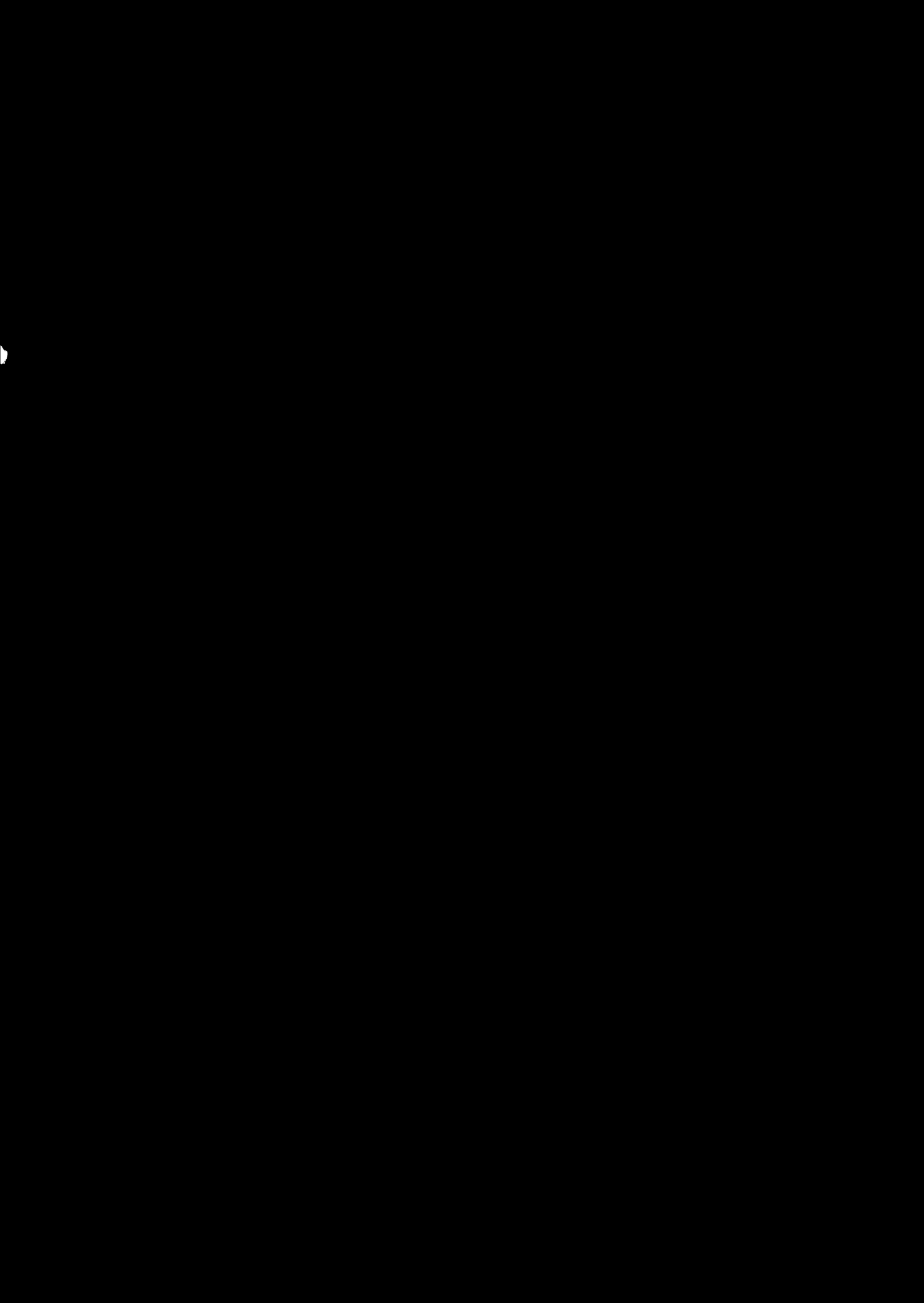
INTERNATIONAL CENTRE FOR TECHNICAL CO-OPERATION
IN THE FIELD OF GEOLOGICAL AND GEOPHYSICAL SCIENCES

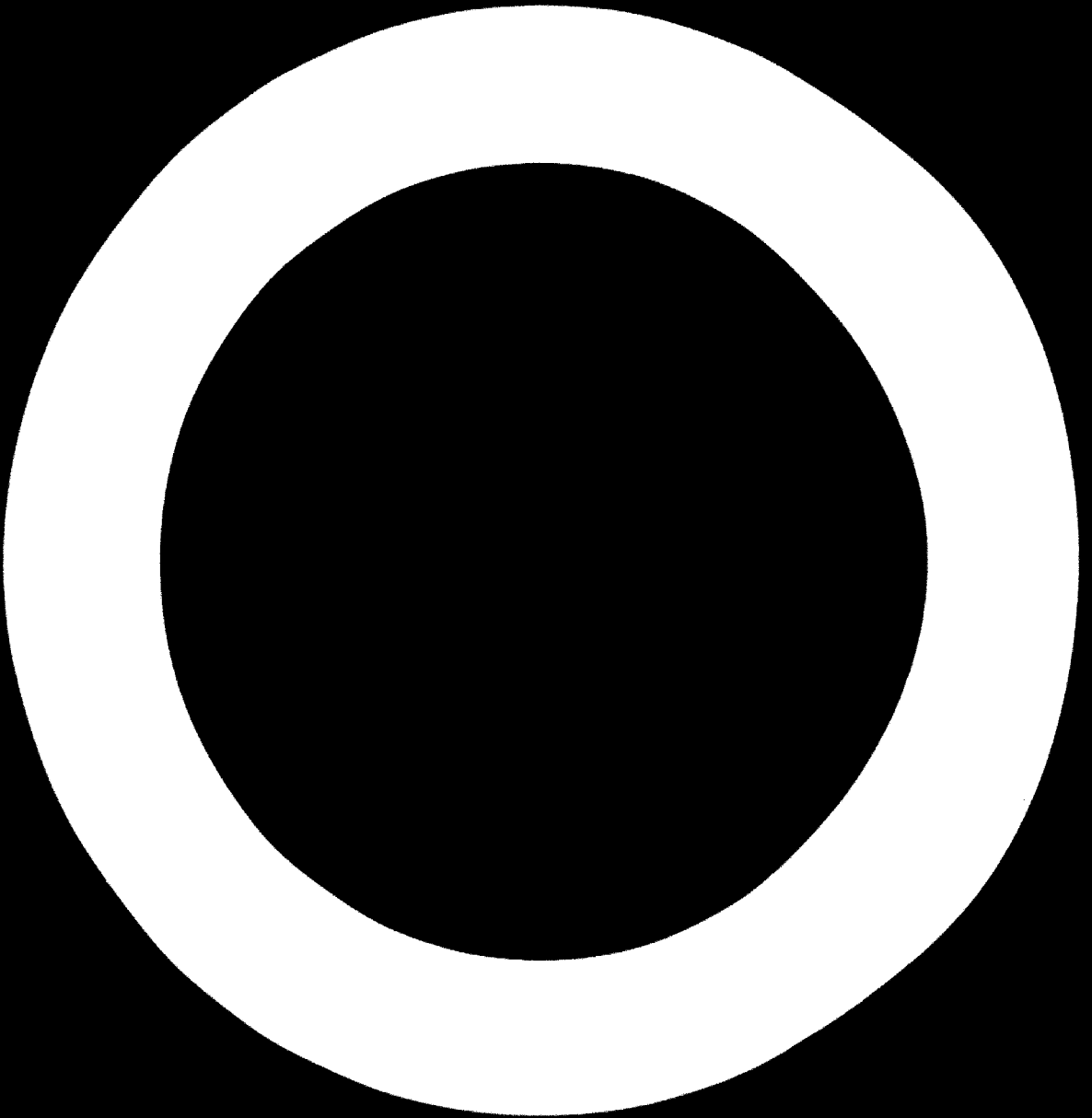
Report of the Third Session of the Committee of the Joint Centre
(Bucharest, 13-15 January 1975).

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Bucharest, 13-15 January 1975

1. The Committee of the Joint UNIDO/Romania Centre held its third session from 13 to 15 January 1975 in Bucharest. The session was postponed from the initial date (December 1974) due to some commitments that the members of the Committee had last December.

2. The members of the Committee present were as follows:

Appointed by the Executive Director of UNIDO:

Mr. A. E. Saenger, Deputy Director, Technical Co-operation Division,
head of delegation

Mr. M. C. Verghese, Chief of Fertilizers, Pesticides and Petrochemical
Industries Section

Mr. L. Babic, Chief of Europe and Middle East Section.

Appointed by the Romanian authorities:

Mr. A. Lungu, General Director, Bucharest Office of the Joint Centre,
head of delegation

Mr. D. Serbanescu, Deputy Director, Ministry of Foreign Affairs

Mr. Buciu, counsellor, Ministry of Foreign Trade and International
Co-operation, Liaison officer for the
Joint Centre

The Romanian delegation was accompanied by:

Mr. Pavelescu, Liaison Officer for the Joint Centre, Ministry of
Foreign Affairs

Mr. I. Marinescu, Counsellor, Bucharest Office of the Joint Centre

Mr. I. Mines, Counsellor, Bucharest Office of the Joint Centre

Mrs. N. Anghelescu, Technical assistant, Bucharest Office of the
Joint Centre.

3. Mr. Lungu chaired the session and Mr. Saenger was co-chairman. The head of the Romanian delegation Mr. A. Lungu conveyed a message of greetings on behalf of Mr. Ion N. Nicolae, Deputy minister in the Ministry of Chemical Industry. The message concluded with the assurance that the Ministry would give full support to the activities undertaken by the Centre directed towards efficient co-operation activities for the benefit of the developing countries.

On behalf of the UNIDO delegation Mr. A. E. Saenger thanked the Romanian Authorities for the warm welcome and greetings and stated that UNIDO would continue to assist the development of the activity of the Joint UNIDO/Romania Centre. He added that one of the indications given by the Executive Director Mr. A. Khene was the necessity of some immediate action to assist the Sahelian countries. In this respect the Mobile demonstration unit included in the Joint Centre's programme is of great importance.

4. Adoption of the Agenda

The Agenda for the Third Session had already been mutually agreed by an exchange of letters between Bucharest and Vienna at the end of 1974, namely:

1. Adoption of the Agenda
2. Review of the activities of the Joint Centre in 1974
3. Preparation of the 1975 Work Programme
4. Other matters
5. Date and place of the Fourth Annual Session
6. Adoption of the Report of the Third Session

5. At the proposal of the co-chairman it was agreed to discuss item 2 and item 3 together in view of assuring the continuity of the actions started in 1974.

Agenda Item 2: Review of the activities of the Joint Centre in 1974

6. The Committee examined this item based on the reports prepared by the UNIDO delegation and the Bucharest Office. The benefit of holding inter-sessional consultations during 1974 working year was stressed and it was recommended to proceed in the same way in the future.

7. Pilot Project for the Mass Production of Plastic Houses (point 1):

This project included in the previous Work Programme of the Joint Centre had met with difficulties due to the withdrawal in 1973 of some companies which had initially shown interest. In early 1974 discussions were held with TEKTO, a company from USA, and an original concept for implementing the project was introduced; however the prototypes of the houses are to be

ready only by the end of 1975. Other proposals from companies in the Federal Republic of Germany and from Belgium are to be presented to the substantive section of UNIDO during 1975.

8. Plastic Furniture Programme (point 2):

Based on the programme established with the UNIDO mission who visited Romania in October 1973, a team of 4 Romanian specialists as UNIDO experts paid a visit to the furniture and plastics processing factories of the Hanning Group in the Federal Republic of Germany, in order to acquaint themselves with the technology and manufacturing conditions. A mutual exchange of furniture parts and of raw plastic materials for testing was arranged. It was agreed that 4 Romanian specialists in the field of furniture manufacture be given training in factories of the Hanning Group.

9. Use, if available, of existing small-scale Romanian plants in other countries (point 3)

In 1974 the Bucharest Office investigated the availability of such plants in Romania. This activity would continue in 1975 provided that suitable requests were received from developing countries.

10. Raw material testing and quality control services (point 4):

The Bucharest Office has submitted a specific proposal concerning the extraction and testing of active principles from plants, with a view to production of pharmaceutical materials and essential oils. This activity was originally planned to be combined with the work of the mobile demonstration unit but it was agreed that it should be treated in 1975 as a separate item of the work programme.

11. Four of developing countries by a mobile demonstration unit (point 5) and Participation in the Sudano-Sahelian Projects (Uses of plastics for water conservation - point 6):

These items were combined in a single project under the title of "Mobile Demonstration Unit for the Processing and Use of Plastics in the Agriculture of Sudano-Sahelian Countries".

In order to prepare this project adequately a team of three Romanian experts accompanied by a UNIDO consultant visited two of the Sahelian countries, Upper Volta and Mali, in the fall of 1974, to investigate the requirements for its implementation. A programme was drawn up consisting of: demonstrations of the manufacture of pipes and fittings on an extruder and on an injection machine and of the application of plastics in agriculture and rural water supply; presentation of three Romanian films; lectures accompanied by slides; and elaboration of a feasibility study for the processing of plastic materials in these countries.

The report of the mission was favourably evaluated in UNIDO and the recipient Governments have expressed interest in fielding the mobile unit as soon as possible. The Committee recommended that the project should be implemented in 1975.

12. Establishment of a test house for catalysts in Romania (point 6):

The point figured in the work programme because it was one of the recommendations of the Expert Group Meeting on the Transfer of Know-How in Production and Use of Catalysts. The implementation of this project was considered premature owing to the lack of standardized criteria for testing procedures.

13. Pesticide formulation and demonstration programme (point 7):

Based on the proposals made at the Expert Group Meeting on the Identification and Development of Fertilizer and Pesticide Industries, a study on the establishment of a training centre for pesticide formulation and testing was elaborated. The study was sent by UNIDO to FAO for comments. In the view of FAO the objectives of the study are too widely drawn. The comments are under consideration by UNIDO.

Since UNIDO and the Government of the German Democratic Republic have already agreed to carry out a training programme in pesticide formulation, the Committee decided not to maintain this item in the 1975 Work Programme but to keep in mind the possibility of organising such a training programme in Romania too.

14. Training Programmes for personnel coming from developing countries:

a) in the field of petrochemistry (point 9), a group training programme was organized for ten weeks and attended by 15 UNIDO fellowship holders;

b) two UNIDO fellowship holders followed individual training programmes (point 10);

c) the study tour of plastic processing plants (point 12) was attended by 18 UNIDO participants;

d) training programmes in Romanian small-scale plants (point 11); no requests were received from developing countries, following the information given by the Bucharest Office on the existence of such possibilities.

15. Industrial Information Services (point 13):

The Joint Centre continued in 1974 its assistance as correspondent for the UNIDO Industrial Information Clearing House. The Bucharest Office provided answers to 45 inquiries, several of them amounting to full techno-economic studies.

16. Techno-economic studies:

a) The study on production of formaldehyde from methane gas and the additional information prepared by the Joint Centre were sent to Burma, Pakistan and Bangladesh. Follow-up letters were sent to the UNIDO project managers and experts working in the above countries to obtain their reactions (point 16).

b) The study on "A Multi-purpose Organophosphorous Pesticide Plant" (point 17) was completed.

c) A paper on "The Pollution in the Petrochemical Industry" was prepared for UNIDO training programmes.

d) The paper entitled "Main Issues of the Present Development of Chemical Industries in Developing Countries" was presented at the Investment Promotion Meeting held in Bucharest.

e) The paper "Pollution coming from Fertilizer Plants" was submitted for the Helsinki meeting (see paragraph 20 below).

f) A study on "Polyvinyl Chloride Production from Natural Gas via Acetylene" was prepared and sent to Bangladesh.

g) The study on basic chemicals (point 18) and the studies on chemical and petrochemical technologies (point 19) could not be carried out due to the lack of funds.

17. Investment Promotion and Technical Consultation Meeting in Bucharest (point 14)

More than 300 confidential discussions on the possibilities of co-operation in regard to over 90 chemical projects in developing countries took place during the meeting held in Bucharest (2-6 December 1974). There were consultations about technological problems involving the provision of know-how, equipment, management skills, maintenance support and research. Those taking part in private and plenary discussions totalled more than 200 and they came from 43 developing and industrialized countries. Special attention was focused in plenary sessions on the exploitation and utilization of indigenous raw materials, transfer of technology, research, design, local manufacture of equipment, maintenance and co-operation among the developing countries in this field.

18. Fair Promotional activity at 1974 International Bucharest Fair (13-22 October 1974) (point 15):

The specific aim of the Fair Promotional Activity (FPA) in Bucharest was to encourage contacts between industrialists from developing countries and business communities in industrialized countries, including representatives of Romanian state enterprises. With the close co-operation of the staff of the Bucharest Office, projects in the developing countries were brought to the attention of the Romanian enterprises. In principle, the Joint Centre has been made responsible for the follow-up of these contacts, particularly from the Romanian side.

19. The report on the Fertilizers and Pesticides Meeting, including the papers presented, was issued in the form of a printed publication IB/WG. 127/10 November 1974. The report and papers on the Catalyst Meeting were ready and in course of printing (IB/WG.123) (point 20 b and c).

20. No Expert Group Meeting was organized in Romania (point 21), but a Romanian expert participated in the Expert Group Meeting on "Minimizing Pollution from Fertilizer Plants", held in Helsinki, August 26-31 1974 (point 22).

21. A number of Romanian specialists in the field of fertilizers, pesticides and petrochemicals were rostered as UNIDO experts and 8 specialists were assigned to field projects.

4) 22. In the field of subcontracting an inquiry was received from UNIDO Purchasing and Contracting Services for technical assistance to the Industrial Development Centre for the Arab States (IDCAS) - Cairo. The assistance would consist of feasibility studies for the promotion of petrochemical, plastics and fertilizer industries, including the production of ethylene, ammonia and urea and the use of catalytic reforming. The Joint Centre has recommended a potential subcontractor to submit a proposal.

23. A representative of the Bucharest Office participated in the sessions of the UNIDO Industrial Development Board and of its Permanent Committee.

Agenda Item 3: Preparation of the 1975 Work Programme

24. The Committee discussed and worked out the 1975 Work Programme based on the draft programmes prepared by the UNIDO Secretariat and the Bucharest Office. The proposed work programme for 1975 is given in the annex.

Agenda Item 4: Other matters

25. The Committee decided that a representative of the party not acting as host should go to the host country in advance of each future session, in order to help in drafting the report on the current work programme and in drafting the programme for the coming year. This preliminary consultation would facilitate work during the session enabling the members of the Committee to focus attention on the major aspects of the Joint Centre's activities.

26. Both parties stressed the constructive way in which the work of the session had been carried out and the joint decision to make every effort to implement the work programme for 1975.

Agenda Item 5: Date and place of the fourth Annual Session

27. It was agreed that according to the frame agreement the 4th annual session should take place in Vienna in October or November 1975. Inter-sessional consultations would also take place.

Agenda Item 6: Adoption of the Report of the Third Session

28. The Committee adopted the Report, which will be submitted for approval according to the procedures in force.

During the 3rd session the members of the Committee of the Joint UNIDO/Romania Centre were received by Mr. Mihail Florescu, Minister of the Ministry of Chemical Industry and by Mr. Cornel Pacoste, Deputy Minister in the Ministry of Foreign Affairs.

On both occasions the positive nature of the work of the Joint Centre was underlined as well as the determination to assist further its activity for the benefit of the developing countries.

ANNEX

1975 WORK PROGRAMME OF THE JOINT UNIDO/ROMANIA CENTRE

I. Operational activities

1. Mobile demonstration unit for the processing and use of plastics in the agriculture of Sudano-Sahelian countries

- The implementation of the technical programme drawn up in 1974 by the UNIDO expert team who visited this zone will be done according to the following time schedule:

	<u>Starting date</u>	<u>Duration</u>
(i) Cable from UNIDO agreeing to comit up to \$ 120,000 if the new form of the project is approved by the Government of Romania	Before 24 January 1975	
(ii) Approval of the Romanian Government and communication to UNIDO	15 February 1975	
(iii) Production, running in and testing of the vehicles and plastic manufacturing equipment	15 February 1975	Completing in 5 months
(iv) Recruitment of experts, submission to the recipient Governments	1 June	
(v) Shipment of equipment	15 July - 30 September	2 1/2 months
(vi) Preparation in host Governments under advice of UNIDO	1 September	1 month
(vii) Starting of demonstration activities in Upper Volta and Mali	1 October	3 months

2. Development of a pharmaceutical and/or an essential oil industry based on herbs indigenous to the developing countries

- Exploratory missions for setting up mobile laboratories

3. Assistance to developing countries in chemical and petro-chemical plants for fuller utilization of production capacity, including better maintenance and improvement of yields

- The Bucharest Office will submit to UNIDO concrete proposals identifying the industries to which Romanian teams of experts with various qualifications could be sent. UNIDO will circulate these proposals among the interested developing countries.

4. Demonstration Centre in Romania for the manufacture of plastics components for various applications for the benefit of developing countries

- Based on the proposal made by the Director of the Technical Co-operation Division of UNIDO, Mr. Quijano-Caballero.
- The implementation of this project can take place only if funds are approved by UNDP.

5. Transfer to the developing countries of installations and equipment available in Romania

- The Bucharest Office will identify the existence of such installations and equipment and submit a list of them to UNIDO, together with the general conditions of transfer.
- UNIDO will communicate the list to potential interested countries.
- The detailed conditions of transfer will be settled for each case in turn.

6. Pilot project for the mass production of plastic houses

- It was suggested that UNIDO should endeavour to get prototype houses from 3 or 4 owners of systems and exhibit them either in Vienna or Bucharest; should invite 5-10 experts from different regions for consultations and the study the prototypes; and should come to an agreement on the most suitable systems for each region or regions.
- If an agreement is reached such prototypes may be sent to the region concerned for people to live in them and to report on their practicality to UNIDO and the Bucharest Office. The reports would serve to prepare a feasibility study.
- If the results are positive UNIDO would assess with the Bucharest Office the further implementation of the project.

7. Plastics furniture programme

- A team of four Romanian specialists will visit in April 1975 the factories of the Hanning Group in the Federal Republic of Germany as participants in a training programme
This will give the Romanian specialists the possibility to get acquainted with the practical aspects and some specific technologies that might be applied in the utilization of plastics for furniture industry.
- The representatives of the Romanian party and of the Hanning Group will then work out arrangements for their future co-operation in the implementation of this project with the assistance of UNIDO.

**8. Follow-up of the Investment Promotion Meeting, Bucharest
(December 2-6, 1974)**

- At the request of UNIDO the Centre may participate in:
 - (i) the provision of technical assistance to developing countries in:
 - (a) elaboration of investment project specifications;
 - (b) advisory services for setting up national or regional development centres for the chemical industry
 - (ii) elaboration of catalogues for chemical technologies in various fields.

II. Training programmes

9. In-plant group training programme in the field of petro-chemical industry

- UNDP has agreed to finance international travel, out-of-pocket expenses and a book allowance for repeat programmes in 1975 and 1976. Subject to successful completion and the establishment of the new interregional IPF, this project is also approved in principle for 1977. Number of participants: 15 per year. Although the programme will be identical to previous ones, the exact duration, time distribution, etc. will be determined each year after completion of the previous programme.

10. Study tour of plastics processing plants

- Repetition of the 1972-1974 programmes.

11. Training programme related to the transfer of Romanian installations and equipment towards developing countries

- As and when Romanian plants and/or equipment are to be transferred to developing countries special training programmes in the installation, operation and maintenance of such plants and equipment will be organized for the recipients either in the recipient country or in Romania before the transfer (see para I.6).

12. Training programmes for individual fellows or small groups of fellows (4-8 per group) will be organized in specific industrial fields. UNIDO seeks to place fellows whose field of study is identical in groups rather than individually. This training of small groups of individual fellowship holders will be organized by the Joint UNIDO/Romania Centre in the appropriate field at the request of UNIDO if and when such groups can be formed. Special efforts will be made to form groups in the field of essential oils and/or cosmetics.

III. Industrial Information Services

13. Continuation of the activity as correspondent for UNIDO Industrial Information Clearing House, extending this activity to other industrial sectors.

IV. Techno-economic studies

14. Elaboration of techno-economic studies for chemical and petrochemical technologies

- Based on UNIDO's work programme or on requirements coming from developing countries.

15. Elaboration of a study for a multipurpose triazine insecticide installation

- Recommendation of the Expert Group Meeting on the Identification and Development of the Fertilizer and Pesticide Industries in the Developing Countries, Bucharest, July 1972.

16. Study on the efficiency of methods of producing single-cell proteins, starting from various hydrocarbons as raw materials

- According to the recommendation of the Expert Group Meeting on "Manufacture of proteins from hydrocarbons" (Vienna October 1973).

17. Completion and issue of the Manual on Catalyst Producers.

V. Expert recruitment

18. The Joint Centre will continue to submit experts to UNIDO's Recruitment Services.

19. Availability of the Joint Centre Staff

- If needed, UNIDO may avail itself of the services of the Joint Centre's staff for limited periods of time.

VI. Subcontracting

20. The Joint UNIDO/Romania Centre will continue to be called upon by the Purchasing and Contracting Services of UNIDO to submit proposals.

VII. UNIDO meetings


21. Hosting or participation in the proposed meeting on "Safety in Ammonia Plants" by the Joint Centre.

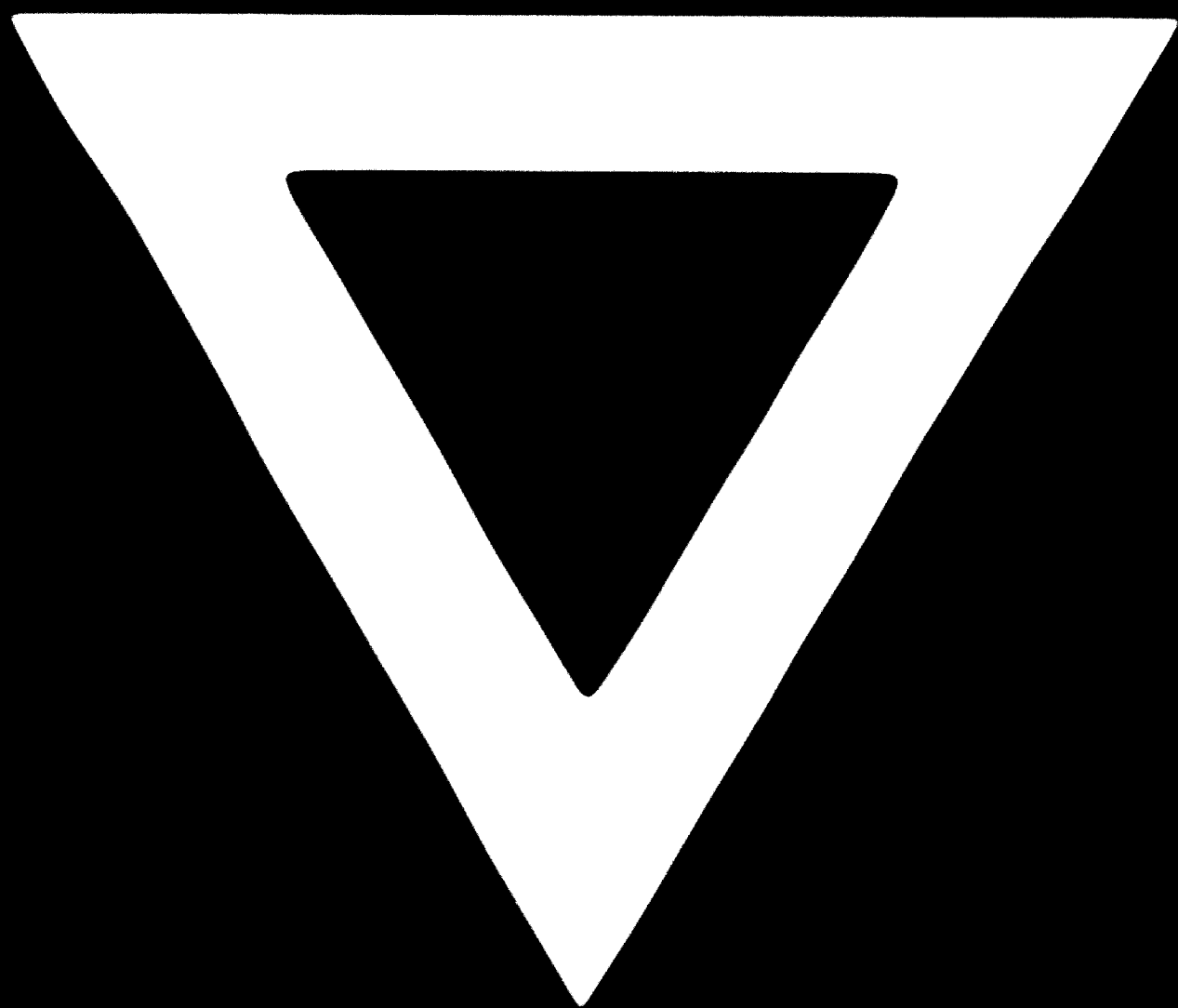
22. Participation of Romanian consultants and experts recommended by the Bucharest Office in meetings organized outside Romania (including preparation of papers on main topics for the respective meetings). In principle, and assuming that the following meetings will take place, the Joint Centre would be interested to participate or arrange for the participation and/or preparation of papers:

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- (a) Pesticides Symposium, possibly in Bangkok, Thailand;
- (b) Third Petrochemical Symposium, Mexico City (under consideration);
- (c) Workshop on the Manufacture of Adhesives; (under consideration)
- (d) Technical Meeting on the Manufacture of Secondary Chemicals;

27. The Committee considered it advisable to continue the present practice whereby a representative of the Joint Centre attends the sessions of the Industrial Development Board and its Permanent Committee. The Committee also supports the proposal that the Executive Office of the Joint Centre should participate in the Second General Conference of UNIDO.





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