



**TOGETHER**  
*for a sustainable future*

## OCCASION

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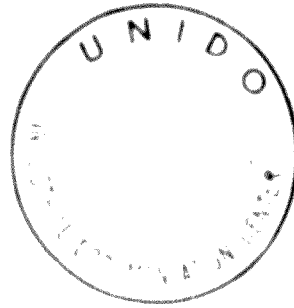
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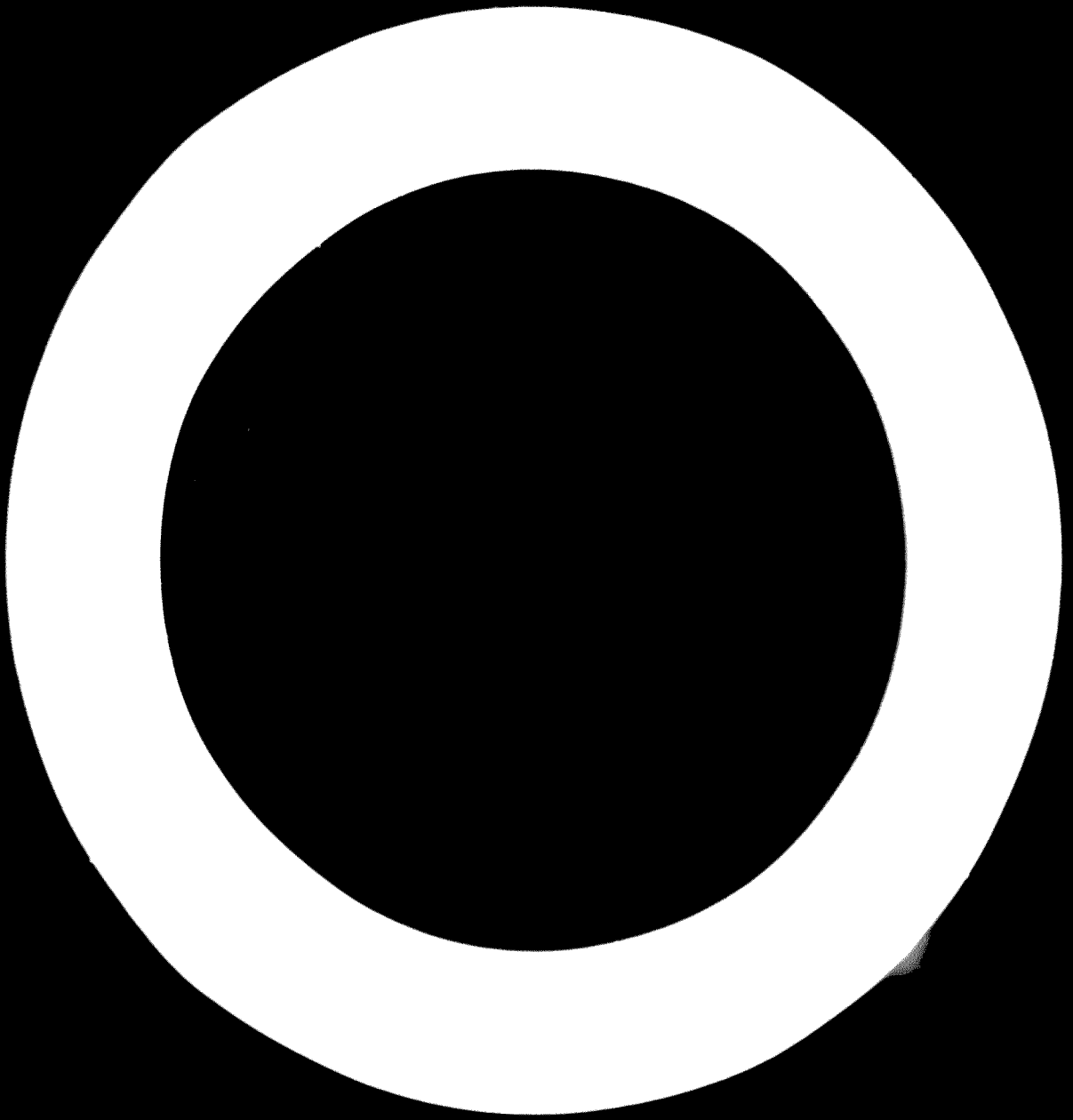
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INTERNATIONAL UNION FOR PURE AND APPLIED CHEMISTRY  
ADMINISTRATIVE DIVISION



On the expiration of the period of the contract, the Government shall pay (October - November 1964).

CONFIDENTIAL

1. To visit people representing the government, industry, trade and industry sectors and acquaint with them the general situation of packaging production in the country.

1. INTRODUCTION

The Government of the Republic of the Congo has requested the assistance of the United States Agency for International Development in receiving and operating a survey of the packaging industry in the country.

The aim of the survey was to determine the general situation of the packaging industry and to provide information on the general situation of packaging needs and materials in the country and to identify the packaging materials of possible technical assistance.

The writer visited the country to conduct the survey during the first five weeks, beginning from the first day of the program and continuing for five days and carried out the survey according to the following objectives:

- a. To visit people representing the government, industry, trade and industry sectors and acquaint with them the general situation of packaging production in the country.
- b. To interview management staff of different industries and organizations, directly responsible for packaging and production, to obtain information on products, their packaging and packaging materials, systems of distribution, actual state and general situation of the industry, existing difficulties and needs of materials and packaging materials, the possibilities of running and the production of packaging materials.
- c. To visit factories representing the production of industry branches and acquaint with existing packaging materials.
- d. To formulate with the assistance of the interviewees representative of different industries, the subjects for UNDP technical assistance.

## 2. The Results of the Mission

### Syrian Arab Republic

#### 2.1 Potential technical assistance projects within SIS Programme

- a. To improve the retail packaging of canned food, taking into account inter alia: application of electrolytically tinned plate, introduction of cans having smaller capacity, installation of plant for lithographic printing of imported tin plate sheets. One to two experts for four to six months.
- b. To introduce the prepacking of granulate and powdered food products in retail quantities. One to two experts for two to three months.
- c. To introduce the retail packaging of edible oil. One expert for two to three months.
- d. To modernize the retail packaging of fresh milk. One expert for two to three months.
- e. To improve retail packaging of butter. One expert for one to two months.
- f. To improve transport packaging of cement. One expert for two to three months.
- g. To improve transport packaging of glass in sheets. One expert for two to three months.
- h. To improve retail and transport packaging of glassware. One expert for two to three months.
- i. To establish national packaging centre with the following scope of activities.

- coordination of packaging activities in the country;
- planning of packaging production and supply;
- promoting new packaging materials and techniques,
- standardization of packaging;
- education in packaging;
- information and documentation.

#### In perspective:

- packaging research and testing.

Request specially supported by: Minister of Supply and Home Trade.

#### 2.2 Potential technical assistance projects within SIS Programme

- a. To improve packaging of fresh fruits and vegetables, including the necessary testing equipment (to be installed in the Ministry of Agriculture and Scientific Research), training and fellowships.

### Jordan

#### 2. Potential technical assistance projects within SIS Programme

- a. To improve packaging of wet batteries. One to two experts for two to three months.
- b. To establish national packaging centre with the following aims:
  - coordination of packaging activities in the country
  - planning of packaging production and supply;
  - working out packaging standards and regulations;
  - promotion of new developments in packaging materials and techniques;
  - education in packaging;
  - information and documentation.

In perspective:

  - packaging testing and research.

The project should include training and fellowships.

- c. To carry out techno-economic study concerning development of packaging production in Jordan, including recommendations for the most suitable packaging for industrial and agricultural products. Two to three experts for six to eight months.

### Lebanon

#### 4. Potential technical assistance projects within SIS Programme

- a. To make techno-economic study concerning modernization of existing fresh fruits and vegetables packaging systems in Lebanon. One expert for four months.
- b. To make techno-economic study concerning substitution of actually used retail packaging for preserved food by plastic packaging. One to two experts for three to four months.









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are in cans, tins, bottles and in "tetra pak" carton packs (Swedish license), transported in special octagonal corrugated board containers.

Productivity of corrugated board and corrugated board packaging, based on imported craftliner and flitting, is of satisfactory level. Limited use of this kind of packaging in Lebanon and for export is due to traditional attitude of clients rather than technical and economical reasons.

During the visits to factories and discussions with their managements two main problems were raised: urgent modernization of packaging systems of fresh fruits and vegetables and the possibility of the use of plastic packaging for preserved food. Complaints were also made against bad quality of tin plate cans, manufacture in Lebanon. It was agreed with UNIDO's representative in UNESCOP office in Beirut, Mr. Abdoumonem that he would visit the metal cans factory and explore the possible ways of technical assistance.

LEB

Almost all industry branches are nationalized. The most important Iraqi produce (besides petroleum) is dates - approx. 150,000 tons of which 70,000 tons are exported to fifty countries and 100,000 tons make home consumption.

There are two ways of packaging dates for export:

- a. Dates are packed in lacquered cell-cast film, window carton boxes, or vacuum packages and then put in transport wooden packaging.
- b. (Mainly for neighboring countries) dates are put into wooden cases lined with wax paper and pressed. Each case contains 50 kgs. of dates. 70% of date production is packed in this way which can be described as bulk packaging.

For home market dates are packed in jute sacks and in baskets made of palm leaves which does not ensure the minimum of sanitary requirements.

Another important product is vegetable oils and fats. Packed in a very primitive and expensive way - tin-plate containers, very often being previously used as gasoline or motor oil packaging.

Annual production

Hydrogenated fats      50,000 tons (export 3,000 tons).  
 Soft oils                10,000 tons.

This country is also a large producer of dairy products: milk, yoghurt, butter and cheese (white and processed). 5% of this production is made and packed in dairies according to modern standards. The rest is manufactured by farmers in most unsanitary way: white cheese is packed in animal skin sacks and purchased in portions made by hand in market stall by the stall keeper; yoghurt is kept in big metal or glass basins and portioned by stall keeper with a tumbler.

There is a great demand for improvement of sanitary conditions of dairy products packaging and distribution.

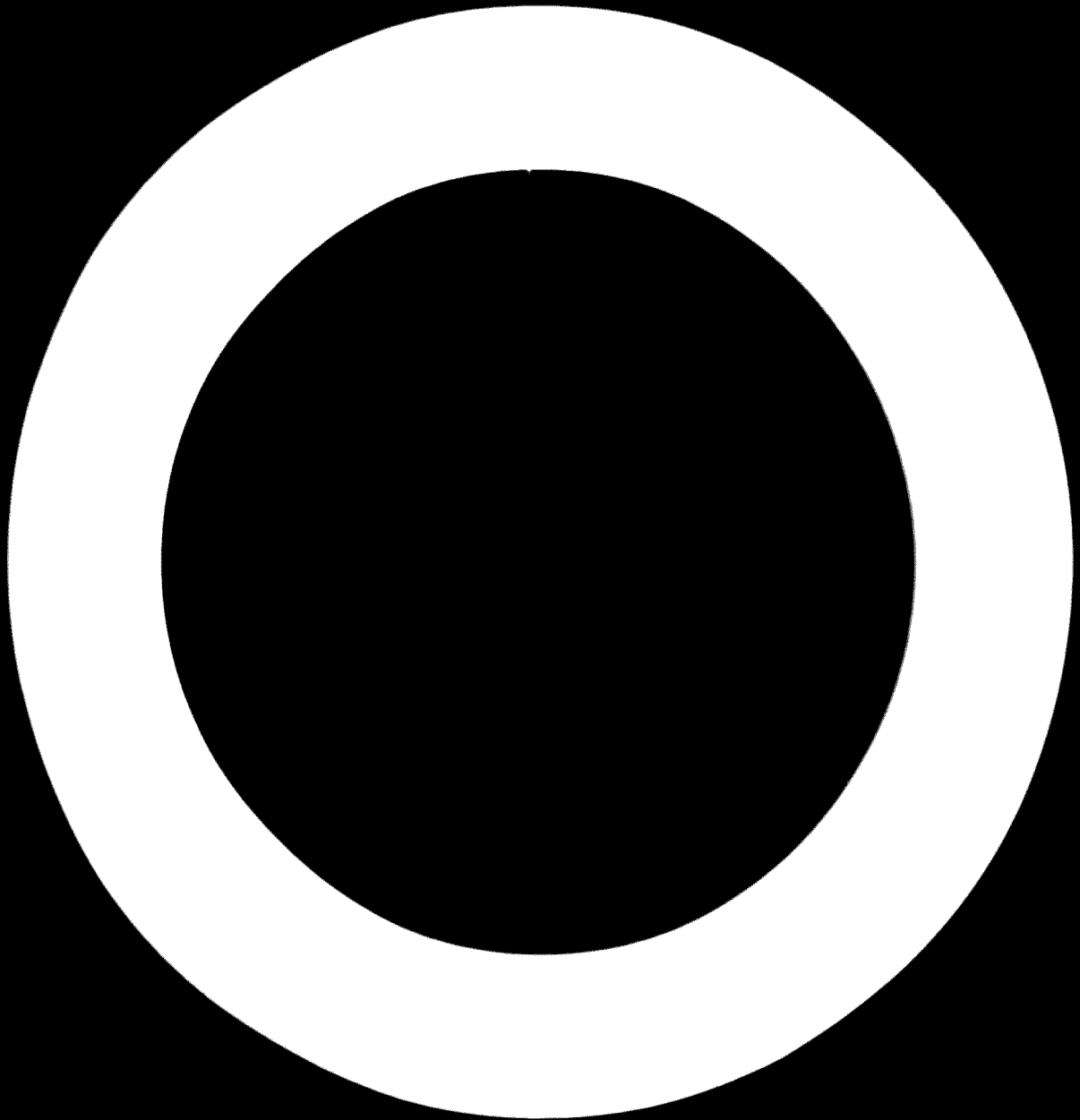
Iraqi fresh fruits and vegetables need also modernization of packaging and distribution systems. The project "Improvement of Fruit and Vegetable Production", (IP/2) is under preparation. UNIDO's advisory packaging experts for these projects should be considered.

There is a growing demand of home market for retail packaging of various food products: soups, sugar, rice, beans, salt, flour, tea, etc. During discussions with ad-hoc committee the importance of establishing national packaging industry is stressed.

As far as packaging industry is concerned, to be built in Lebanon is a corrugated cardboard factory with the capacity of approx. 100,000 tons per year, producing single- and double-wall cardboard for retail distribution. Craftliner and flitting are imported from Jordan.

A big cellulose and paper production combine is under construction which has in its production program some of the important packaging material, such as carton duplex, laminated papers and corrugated board.

The production will start in 1971 with the capacity of approx. 100,000 tons of a.m. materials. There is also one glass factory and plant, producing tin-plate cans of imported material.



ITINERARY

Date	Activity
<u>Syrian Arab Republic</u>	
Oct. 24 (Fri.)	Arriving in Damascus.
Oct. 25 (Sat.)	Visiting United Milk Producers' Cooperative Society, being introduced to Mr. Barakat, General Director. Being introduced to Mr. Barakat, General Director. Visiting Ministry of Planning, being introduced to Mr. Barakat, General Director.
Oct. 26 (Sun.)	Visiting Union of Textile Industry, being introduced to Mr. Barakat, General Director. Visiting Ministry of Supplies and Handicrafts, being introduced to Mr. Barakat, General Director. Visiting factories of Damascus accompanied by Mr. Khulani, General Director of Food Industries together with his technical and personnel staff. The Syrian Lactaria Factory produces and packages milk, yoghurt and white cheese. Also a confectionery and chocolate factory "Zamir". Visiting Union of Textile Industry, being introduced to Mr. Kitat, Director General.
Oct. 27 (Mon.)	Visiting General Communications Authority, being introduced to Mr. Audeh, General Director a.i. Visiting Union of Food Industry. Visiting Union of Engineering and Chemical Industries, being introduced to Mr. Bachara, General Director a.i. and Mr. Kikilnour, Chief of Commercial Department.
Oct. 28 (Tue.)	Visiting Planning Commission, being introduced to Mr. Rida, UNDP counterpart. Visiting Ministry of Economy and Foreign Trade, being introduced to Director of Foreign Trade Department. Visiting Ministry of Agriculture and Agrarian Reform, being introduced to Mr. Iborog, Deputy Minister.

Oct. 29 (Wed) Discussing with Mr. Selluta, Secretary General of Ministry of Industry and Mr. Cacouris, Deputy Resident Representative, draft preliminary report and the results of the visit.

Leaving for Amman.

Jordan

Oct. 29 (Wed) Arriving in Amman.

Oct. 30 (Thu) Visiting United Nations Development Programme Office. Being introduced to Mr. Sarfraz, Resident Representative.

Visiting Centre of Industrial Development. Being introduced to Mr. Feraldis, Acting Project Manager, Mr. Batarsch, Assistant Director of Industry Dept. of the Ministry of National Economy and Mr. Fahmy, Export Promotion Adviser, fixing the programme for the mission and discussing general situation in packaging in Jordan.

Oct. 31 (Fri) Free

Nov. 1 (Sat) Visiting Factory of wet batteries "Silverlite". Being introduced to Mr. Higazi, Director.

Visiting Agricultural Marketing Organization. (FAO). Being introduced to Mr. Amin, Managing Director and Mr. Lumholz, Marketing Management.

Nov. 2 (Sun) Visiting Industrial Commercial Agricultural Co. Factory producing cosmetics, detergents, paints and biscuits.

Visiting Amman Chamber of Industry. Being introduced to Mr. Dejani, Director.

Visiting Foreign Trade Dept. of the Ministry of National Economy. Being introduced to Mr. Armenti, Director.

Nov. 3 (Mon) Discussing with Mr. Sarfraz, UNDP Resident Representative, Mr. Feraldis, Acting Project Manager J.C.I.D. and Mr. Qursha, Programme Officer, UNDP draft preliminary report and the results of the visit.

Nov. 4 (Tue) Leaving for Beyrouth.

Lebanon

Nov. 4 (Tue) Arriving in Beyrouth.

Visiting the United Nations Development Programme Office. Being introduced to Mr. Jawad, Resident Representative and Mr. El Halfawy, Senior Industrial Development Field Adviser.

Visiting the Industry Department in the Ministry of National Economy. Being introduced to Mr. Abi-Salch, Director-General.

Nov. 5 (Wed) Visiting UNESOB Office. Being introduced to Mr. Martin, Director.

Visiting corrugated board manufacturing and processing factory, Genayel Freres Co.

Visiting fruits and vegetable processing factory Cortas Canning and Refrigerating Co.

Nov. 6 (Thu) Visiting corrugated board manufacturing and processing factory, UNIPACK CO.

Visiting the Lebanon Fruit Juice Co, "Bonsur".

Nov. 7 (Fri) Visiting fresh fruits packaging station, Sotari Citre Fruit Co., near Beyrouth.

Visiting the UNDP Office. Discussing with Mr. Jawad and Mr. El Halfawy results of the mission.

Nov. 8 (Sat) Visiting Industry Department in the Ministry of National Economy. Discussing with Messrs. Abi-Salch (Dir.Gen), Nasr (Executive Secretary, Lebanese Industrialists Assn.) and El Halfawy (Senior Industrial Development Field Adviser) results of the mission.

Nov. 9 (Sun) Free

Nov. 10 (Mon) Preparing with the assistance of Mr. El Halfawy a draft job description for Lebanese Government's requests.

Leaving for Baghdad.

Itc

- Nov. 10 (Thu) Leaving for Beirut.
- Nov. 11 (Fri)
  - Visit to the State Organization for Industrial Programs. Being introduced to Mr. Far, Assistant Director, etc.
  - Visit to the State Organization for Industry. Being introduced to Mr. Al-Muham, Director of Post-Industry Section, and the Finance Committee responsible for the State's financing industrial programs.
  - Discussing the program and the situation in the State of Lebanon.
  - Visiting Beirut's water supply (air) system. The plant and possible methods of upgrading with rock grout and valves with other different types.
- Nov. 12 (Sat)
  - Visit to the State Organization's Packaging Station in Beirut.
  - Visiting the Dairy Administration's Factory near Beirut.
- Nov. 13 (Sun)
  - Visiting the State Organization for Industry. Formulating a plan with the members of Finance Committee for further details of UNDP's technical assistance.
  - Visiting UNDP office and discussing the results of the mission.
  - Visiting the corrugated board factory "National Carton Co" in Baghdad.
- Nov. 14 (Fri) Itc.
- Nov. 15 (Sat)
  - Leaving for Vienna.
  - Arriving in Vienna.



