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LEAGUE FOR INTERNATIONAL FOOD EDUCATION

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ANNUAL REPORT

1969 - 1970*

SUMMARY.

The second year* of the League for International Food Education has been an effective and fruitful one.

The volume of work connected with the three objectives of the League (as stated in the AID grant) has grown considerably. These objectives are:

1. Responding to Requests;
2. Locating Professional Talent; and
3. Disseminating Current Information.

In addition, two new areas of interest were undertaken, both at the request of the Office of Nutrition, Bureau of Technical Assistance, U.S. Agency for International Development:

1. In-country surveys of nutrition and food technology problems were made by the Executive Director in Brazil (November 28-December 12) and Guatemala, Honduras, and Panama (February 25-March 13).
2. A workshop on "Meeting Food Packaging Needs of the Developing Countries" was conducted in Washington, D.C., April 27-30. A report on this workshop, including the recommendations made by the participants, was issued.

The League for International Food Education has been most fortunate in having the continued support of the Office of Nutrition, Bureau of Technical Assistance, U.S. Agency for International Development (TA/N, AID). The AID grant has been extended for two years and necessary funds obligated through June 1971.

*This annual report actually covers only nine months, September 1, 1969-June 30, 1970. It is being written for a shorter time period so that the reporting year will, in the future, coincide with the fiscal year, July 1-June 30.

A beginning has been made in obtaining private financial support for the activities of the League. Approximately 100 private companies and foundations were approached by mail; personal visits by the Executive Director were made to six organizations.

It was most gratifying to find familiarity with and strong approval of the activities of the League. However, two problems were encountered in trying to obtain financial support.

1. Firm decisions to give priority to the solution of domestic problems.
2. The generally depressed condition of the business world.

Even so, contributions were received from: Cargill, Inc., Minneapolis, Minnesota; CPC International, Englewood Cliffs, New Jersey; General Mills Foundation, Minneapolis, Minnesota; Givaudan Corporation, Clifton, New Jersey; Kraftco Corporation, New York, New York; National Biscuit Company, New York, New York; C. J. Patterson, Kansas City, Missouri; and Tri-Wall Containers, Long Island, New York

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I. THE LEAGUE CONSORTIUM.

The League has continued to be fortunate in maintaining staff continuity in the Washington, D.C., office and in having the strong support of its distinguished officers and directors. On July 1, 1970, the American Institute of Chemical Engineers joined the consortium. The current and incoming board members are as follows:

Board of Directors: 1969-70

President	Dr. Albert L. Elder Volunteers for Intern'l Technical Assistance
Vice-President	Raymond J. Tarleton American Association of Cereal Chemists
Secretary-Treasurer	Dr. Louis Lykken American Chemical Society
Director	Dr. O. L. Kline American Institute of Nutrition
Director	Dr. Arthur N. Prater Institute of Food Technologists
Director	Ronald C. Stillman American Oil Chemists' Society

Board of Directors: 1970-71

President	Raymond J. Tarleton American Association of Cereal Chemists
Vice-President	Dr. Louis Lykken American Chemical Society
Secretary-Treasurer	Dr. O. L. Kline American Institute of Nutrition
Director	Dr. Albert L. Elder Volunteers for Intern'l Technical Assistance
Director	Dr. Arthur N. Prater Institute of Food Technologists
Director	S. Jack Rini American Oil Chemists' Society
Director	Dr. Lemuel B. Wingard, Jr. American Institute of Chemical Engineers

II. MEETING OBJECTIVES.

1. Responding to Requests.

A total of 105 projects, dealing with 120 separate subject areas, were received as of June 22, 1970. In addition, many projects begun during the first year of operation continued through part or all of the second year. The League currently has projects in 42 countries. A detailed listing of the projects received this year is attached.

2. Locating Professional Talent.

The roster, now composed of 235 people who have volunteered to assist the League in responding to requests, is still growing. Experts in various aspects of nutrition and food technology, they represent a wide variety of backgrounds -- industry, university, government, etc. -- and are located throughout the world. These experts are categorized in the roster for quick matching of the problem to the proper expert.

At the request of AID, the U.N. agencies, voluntary organizations, and others, the League has offered suggestions regarding suitable candidates for positions relating to food problems in the developing countries.

3. Disseminating Current Information.

The Newsletter, published monthly, has continued to be our primary means for presenting current and pertinent nutrition and food technology information to those who are working on food problems of the developing countries. Circulation has risen to 3067, an increase of roughly 20%; approx-

imately half (1567 copies) are sent to personnel in some 130 countries. The Newsletter continued to be quoted frequently in both U.S. and foreign publications.

Reader involvement is shown not only in favorable individual letters written to the Editor, but also in the requests for reference lists and other materials mentioned in articles. For example, 141 requests for the reference list on "Bread-Making from Indigenous Crops" were received and 107 requests for the reference list on "High Nutrition Confections".

It is of special interest to note that an article in the October Newsletter on high nutrition confections stimulated a company in New Jersey to make some prototype confections to send to us.

In addition, articles written by nationals and others residing in the developing countries are being received and published with increasing frequency.

In October 1969, a review was made of the Newsletters published during the first year (September 1968-September 1969) and 16 articles were selected to be included in the first Spanish edition; forwarded to AID for translation and printing, it is hoped that the Spanish edition will be available soon.

4. Professional Activities.

a. Speaking Engagements.

Talks on the League for International Food Education, its organization and its activities, were given by the Executive Director as follows:

January	Columbia University, New York, New York.
May	Columbia University, New York, New York.
May	Washington Hebrew Congregation, Washington, D.C.
June	University of Iowa, Iowa City, Iowa.

b. Conferences and Meetings.

The League was represented by one or more staff members at the following:

September	"Seeking New Approaches to Old Problems" International Sugar Research Council Washington, D.C.
	Fifth International Congress on Dietetics Washington, D.C.
	"International Conference on Amino Acid Fortification of Protein Foods" Massachusetts Institute of Technology Cambridge, Massachusetts

- October "Feeding the Military Man"
U.S. Army
Natick, Massachusetts

Annual Meeting of the Agricultural Research Institute
Washington, D.C.
- December "The Green Revolution"
Foreign Affairs Subcommittee, U.S. House of Representatives
Washington, D.C.

The Latin American Congress and International Food Fair
San Paulo, Brazil
- January Board Meeting of the League for Intern'l Food Education
(Held at the Southern Regional Laboratory
U.S. Department of Agriculture
New Orleans, Louisiana)

National Meeting of the National Cannery Association
Washington, D.C.
- May National Meeting of the Institute of Food Technologists
San Francisco, California
- June Whey Utilization Conference
U.S. Department of Agriculture
College Park, Maryland

c. Cooperation with Other Organizations.

At the request of the American Institute of Chemical Engineers, a symposium on "Food Technology for the Developing Countries-1969" was organized by Dr. Samuel M. Weisberg of the League and Mr. Benjamin Coe of VITA. Part of the AIChE national meeting held in November in Washington, D.C., the all-day session was well attended. The symposium papers will be published through VITA.

Although its focus is directed toward problems of the developing countries, the League has tried, whenever possible, to cooperate with those organizations working on domestic food and nutrition problems. Upon the approval of the Board of the League, the Executive Director accepted an invitation to become a member of the Board of Directors of the Food Business Center.

We were visited by members of the following organizations and constructive help was given to their international activities in improving nutrition:

Archer-Daniels-Midland, Canadian International Development Agency, CARE, Catholic Relief Service, Chemurgic Council, Dorr-Oliver, Dow

Chemical, French Dairy Society, General Mills, International Sugar Research Foundation, ISC World Trade Corp, Kraft Sesame Corp, Kyowa Hakko Kogyo, Monsanto, New Zealand Dairy Board, C. J. Patterson, Reynolds Metals, Ruxford Laboratory, St. Regis Paper, Shell Development Corp, Swift Chemical, Tri-Wall Containers, United Fruit, and Yeo Hiap Seng.

5. Relations with the U.S. Agency for International Development.

The weekly meetings of TA/N, AID, were attended and short reports covering the League's activities were presented at each. In addition, separate reports concerning information pertinent to solution of nutrition problems in developing countries were submitted frequently. Project reviews, debriefings, and other AID-sponsored meetings were attended. Advisory services were given to AID upon request.

6. League Beginnings.

A brief history of the founding of L.I.F.E. may be found in the first annual report, available upon request. That report contains other useful information not repeated in the current report.

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L.I.F.E. PROJECTS

<u>Number</u>	<u>Subject</u>	<u>Country</u>
96	Dehydrated Food Stuffs	India
97	Fortification of Foods in the U.S.	All ldc's
98	Training Program for Food Handlers	U.S.A.
99	Economic Value of Nutrition Programs	All ldc's
100	Groundnuts and Aflatoxin	All ldc's
101	Nutrition and Development of the Central Nervous System	All ldc's
102	Production of Hot Dogs	Haiti
103	Quick Freezing of Avocadoes	Israel
104	Packaging	Colombia
105	Making Bread from Non-Wheat Flours	Ghana
106	Sugar and Livestock Industries	Latin America
107	Soybeans	Colombia
108	Cyclamates	All countries
109-1	Manufacture of Butter Oil	Uruguay
109-2	Composition of Food Products (Spanish)	Uruguay
110	High Protein Low Cost Foods	All ldc's
111	High Nutrition Bread Products	All ldc's
112	Mongongo Nut	Brazil
113	Use of Cottonseed Cake in Breadmaking	Burundi

114	Black Strap Molasses	All ldc's
115	Production of High Protein Confections	Nepal
116-1	Development of Essences and Flavors Industry	India
116-2	Manufacture of Dairy Equipment	India
117	High Nutrition Low Cost Biscuit	India
118	Food Processing R&D Centers in the U.S.	Israel
119	Macaroni	Brazil
121-1	Mandioca Flour and Soy Protein Isolate	Brazil
121-2	Packaging of Protein Foods	Brazil
122	High Nutrition Confections	Vietnam
123	Nutrition Posters	Br. W. Indies
124	Improvement and Fortification of Mandioca	Brazil
125	Nutritionally Enriched Bread	All ldc's
126	Facilities for New Department of Food Science	Brazil
127-1	Packaging of Children's Food	Guyana
127-2	Design of Weaning Food Factory	Guyana
128	FPC Facility	Brazil
129	Black Strap Molasses	All ldc's
130-1	Review of Contract Proposal	All ldc's
130-2	Review of Contract Proposal	All ldc's
131	Food-Grade Flour from Oilseeds	Pakistan
132	Review of Contract Proposal	All ldc's
133	New Protein Foods	All ldc's
134-1	Uses of Fish Protein Concentrate	Nigeria
134-2	Review of Nutrition Program	All ldc's
135	Sesame Protein	Gen. and Lat. Am.
136	Rancidity in Oil Meals	Ethiopia
137	Mustard Seed Fractionation	--
138-1	Nutrition Education Training	All ldc's
138-2	Nutrition Publications	All ldc's
138-3	Use of Scales in Child-Feeding Programs	All ldc's
139	Review of Contract Proposal	All ldc's
140	Review of Research Proposal	All ldc's
141	Joint Venture	Ghana
142	Review of Nutrition Bulletin	All ldc's
143	Investment Possibilities	India
144	Milk Biscuit Formula	Jordan
145	Peanut Butter Preservatives	India
146	Chlorella as Poultry Feeds	All ldc's
147-1	Reconstitutable Dried Milk Products	Br. W. Indies
147-2	"Mate"	Br. W. Indies
148	Industry Involvement in Feeding Programs	All ldc's
149	High Protein Confections	All ldc's
150	Joint Venture	Panama
151	Nutrition Education	Brazil
152	Insect Infestation of Donated Foods	India
153	Storage Bin Design	India
154	Preparation of Sour Milk Products	Niger
155	Canning of "Sacrificial" Meat	All ldc's
156	Production of Baker's Yeast	Vietnam

157	Nutrition Education Materials	Honduras
158-1	Chickens and Eggs	Honduras
158-2	Fish Ponds	Honduras
158-3	Food Preservation: Fermentation, Canning	Honduras
158-4	Uses of Coconut Oil	Honduras
159	Torula Yeast	Brazil
160	Short-Term Consultant	Ecuador
161	Livestock, Vegetable, and Fruit Production	Brazil
162	Edible Dried Whey	Panama
163	Eggless Mayonnaise	Korea
164	Re-assemblable Bottle	Br. W. Indies
165	Protein in Indigenous Foods	All ldc's
166	Fermented Corn Porridge	Togo
167	Fortified Salt	Honduras
168	Fortified Sugar	Honduras
169	Pop Corn	Honduras
170	Rice or Cassava Breads	Honduras
171	Fortified Corn Flours	Honduras
172	Rice	Honduras
173	Grain Storage Facilities	Honduras
174	Bean Powder	Honduras
175	Spanish Peanuts	Honduras
176	Sunflowers	Honduras
177	Packaging Facilities	Honduras
178	Portable Canning Equipment	Honduras
179	Raspberries	Honduras
180	Fish Netting	Honduras
181	Small Poultry Installations	Honduras
182	Broilers	Honduras
183	Pig Raising	Honduras
184	Use of Blood in Animal Feeds	Honduras
185	Solar Salt Dehydration	Honduras
186	Dairy Products Consultant	Honduras
187	Sesame	Honduras
188	Soybeans	Honduras
189	Fish Ponds	Honduras
190	Soybeans in Sausages	Honduras
191-1	Technical Standards for Food Products	Peru
191-2	Marketing Organization for Exports	Peru
192	Rodent and Insect Repellent Tape	All ldc's
193	Consultant in Meat Processing	Colombia
194	Marketing of Mora de Castilla	Colombia
195	Pulse Consumption	India
196	Joint Venture	Panama
197	Pilfer-Proof Closures	India
198-1	Fufu Recipes	Ghana
198-2	Millet Recipes	Ghana
198-3	Nutrition Education Materials	Ghana
199	Cooperative Nutrition Programs	All ldc's
200	Bread Making Crops	All ldc's